

LOG BOOK
OF THE
U. S. Steamer "Essex"
Third Rate,
of Six Guns,

COMMANDED BY
Commander, Winfield Scott Schley, U. S. Navy,
Attached to Squadron,
Commencing October 3, 1876,
at Navy Yard Boston, Massachusetts,
and ending March 31 1877,
at Vera Cruz, Mexico

BUREAU OF NAVIGATION,
NAVY DEPARTMENT,
1875.



Transcribed by Christopher Olson and Ann Merriman
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Ann Merriman, Christopher Olson, Maritime Heritage Minnesota

LIST OF OFFICERS

Attached to and on board of the U. S. Str. Essex, 3^d Rate, commanded by
 Commander W. S. Schley , U. S. N., at the time of leaving the anchorage,
 at Boston, Mass the 24 day of October, 1876.

NAME	RANK
W.S. Schley	Commander
John Schouler	Lieut. Comdr
Asa Walker	Lieutenant
John T Sullivan	"
J.K. Cogswell	"
R.G. Davenport	"
W. Kellogg	"
Wm. B. Davis	P. Asst. Surgeon
S.D. Hurlburt	" Paymaster
P.A. Rearick	Chief Engineer
Geo. B. Ransom	Asst. "
Wm. B. Dunning	Cadet "
Robt. I. Reid	" "
Henry H. Stevens	" "
F.A. Dran	Boatswain
Henry Davis	Carpenter
Arthur Schley	Comds Clerk
W.P. DeBehren	Pay'mst "

Examined and found to be correct

Navigator.

LIST OF OFFICERS

Who have died, been detached, or transferred, on board the U. S. Str Essex, 3^d Rate
 commanded by Comadt. W.S. Schley, U. S. N., during a cruise on the North Atlantic
 Station from Oct. 24th, 1876 to ~~end of cruise~~ April 1st, 1877.

NAME.	RANK.	TIME OF OCCURRENCE AND PARTICULARS.
Wm B. Dunning	Cadet Engineer	Nov. 11 th 1876 – By order of Navy Dept.
Robt. G. Reid	“ “	“ same
Henry H. Stevens	“ “	“ same
Henry Davis	Carpenter	Dec. 8 th 1876. same
John T. Sullivan	Lieutenant	March 27, 1877. Condemned by medical survey

Examined and found to be correct

Navigator.

COMPLEMENT of Petty Officers, Seamen, Ordinary Seamen, Landsmen, Boys, and Marines
on board
of the U. S. Steamer Essex, 3rd Rate, at first commissioning

Rates.	Number.	Rates.	Number.
Boatswains Mates	2	First Sargent	1
Gunners "	1	Corp.s	2
Quarter Masters	3	Privates	10
Coxswains	3		
Captains of Forecastle	2		
" " Tops	4		
" " After Guard	2		
Quarter Gunner	2		
Carpenter Mate	1		
Sailmaker Mate	1		
Armorer	1		
Captain of Hold	1		
Ships Cook	1		
Cooper	1		
Carpenter and Caulker	2		
Nurse	1		
Master at Arms	1		
Yeoman	1		
Apothecary	1		
Pay Yeoman	1		
Engineer Yeoman	1		
Schoolmaster	1		
Ships Writer	1		
Tailor	1		
Painter 2 nd class	1		
Bugler	1		
Seamen	8		
Landsmen	15		
Boys	73		
Landsmen (for Eng. Dept)	12		
Machinists	4		
Copper Smith	1		
Boiler Maker	1		
First class Firemen	1		
2 nd " "	1		
Cabin Steward	1		
" Cook	1		
Ward Room Steward	1		
" " Cook	1		
Steerage Stewart	1		
" Cook	1		
Warrant Office Steward	1		
" " Cook	1		

The rates of coxswains, Capt.s Of A.G. and two Capt.s of
Tops, will be filled by boys as acting but with the rates.

Examined and found to be correct

Navigator.

ARMAMENT

of the U. S. Str Essex, 3^d Rate

No. of Guns.	Caliber.	Description.	Weight.
341	XI inch	Smooth bore	15900 lbs
364	IX inch	" "	9165
365	" "	" "	9155
366	" "	" "	9195
368	" "	" "	9205
22	60 Pdr.	Rifle	5450

BOATS.

SMALL ARMS.

Examined and found to be correct

Navigator.

OBSERVATIONS for determining the LOCAL DEVIATION of the Standard
Compass on board the U. S. S. Essex, 3^d Rate

DATE: October 20th, 1876.

PLACE: Boston Harbor, Mass.

Magnetic Variation, 10 ° W degrees

minutes, at same time and place.

LANDMARK OBSERVED.		BEARINGS TAKEN BY STANDARD COMPASS.		LOCAL DEVIATION.	LOCAL DEVIATION CORRECTED FOR VARIATION (+ OR-).
Name of Landmark	True Magnetic Bearing by Chart or Astronomical Observation.	Ship's Head.	Landmark Observed.		
Sun's Center		NORTH.		1° 31' E	
		N. by E.			
		N.N.E.		3° 31' E	
		N.E. by N.			
		N.E.			
		N.E. by E.			
		E.N.E.		4° 0' E	
		E. by N.			
		EAST.		5° 30' E	
		E. by S.			
		E.S.E.		4° 30' E	
		S.E. by E.			
		S.E.		2° 15' E	
		S.E. by S.			
		S.S.E.		2° 00' E	
		S. by E.			
		SOUTH		0° 30' E	
		S. by W.			
		S.S.W.		1° 30' W	
		S.W. by S.			
		S.W.		4° 0' W	
		S.W. by W.			
		W.S.W.		5° 0' W	
		W. by S.			
		WEST		5° 30' W	
		W. by N.			
		W.N.W.		5° 30' W	
		N.W. by W.			
		N.W.		5° 0' W	
		N.W. by N.			
		N.N.W.		2° 0' W	
		N. by W.		1° 20' E	
		NORTH			
		N.N.E.			
		N.E.			
		E.N.E.			
		EAST			
		E.S.E.			
		S.E.			
		S.S.E.			
		SOUTH			
		S.S.W.			
		S.W.			
		W.S.W.			
		WEST			
		W.N.W.			
		N.W.			
		N.N.W.			

Examined and found to be correct

Navigator.

OBSERVATIONS for determining the LOCAL DEVIATION of the Standard
Compass on board the U. S. S

DATE: _____ PLACE: _____
Magnetic Variation, _____ degrees _____ minutes, at same time and place.

LANDMARK OBSERVED.		BEARINGS TAKEN BY STANDARD COMPASS.		LOCAL DEVIATION.	LOCAL DEVIATION CORRECTED FOR VARIATION (+ OR-).
Name of Landmark.	True Magnetic Bearing by Chart or Astronomical Observation.	Ship's Head.	Landmark Observed.		
		NORTH.			
		N. by E.			
		N.N.E.			
		N.E. by N.			
		N.E.			
		N.E. by E.			
		E.N.E.			
		E. by N.			
		EAST.			
		E. by S.			
		E.S.E.			
		S.E. by E.			
		S.E.			
		S.E. by S			
		S.S.E.			
		S. by E.			
		SOUTH			
		S. by W.			
		S.S.W.			
		S.W. by S.			
		S.W.			
		S.W. by W.			
		W.S.W.			
		W. by S.			
		WEST			
		W. by N.			
		W.N.W.			
		N.W. by W.			
		N.W.			
		N.W. by N.			
		N.N.W.			
		N. by W.			
		NORTH			
		N.N.E.			
		N.E.			
		E.N.E.			
		EAST			
		E.S.E.			
		S.E.			
		S.S.E.			
		SOUTH			
		S.S.W.			
		S.W.			
		W.S.W.			
		WEST			
		W.N.W.			
		N.W.			
		N.N.W.			

Examined and found to be correct

Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns,
Navy Yard Boston Mass

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prog. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1																
2																
3																
4																
5																
6																
7																
8																
9																
10																
11																
Noon																
Distance run by Log since preceding Noon										knots	fathoms.					
Latitude by D. R. at Noon										°	'	"				
Longitude by D. R. at Noon										°	'	"				
Latitude by Observations at Noon ⊕										°	'	"				
Longitude by Chronometer from Forenoon Observations ⊕										°	'	"				
Current during the time										knots	fms. per hour, setting to the					
Variation of the Compass by Amplitude ⊕ observed at Sunrise										°	"	"				
Variation of the Compass by Azimuth ⊕ observed at										°	"	"				
Water expended during the preceding 24 hours										gallons.						
Water during the preceding 24 hours										"						
Water remaining on hand fit for me at Noon										"						
Coal consumed during the preceding 24 hours										tons	lbs.					
Coal remaining on hand at Noon										"	"					
P.M.																
1																
2																
3																
4																
5																
6																
7																
8																
9																
10																
11																
Mid.																
Longitude by Chronometer from Afternoon Observations ⊕										°	'	"				
Longitude by Chronometer Observations]										°	'	"				
Variation of the Compass by Amplitude observed at Sunset										°	'	"				
Variation of the Compass by at										°	'	"				

under the command of Commander W. Scott Schley
Tuesday October 3rd, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

At 2:00 P.M. the ship was put into Commission, Capt E. Y. McCauley, USN, Capt of the Yard, turning over the command to Commander W. Scott Schley, USN. The following officers were present – and reported for duty

Lieut. Comdr John Schouler
Lieutenant Asa Walker
Lieut. - John T Sullivan
Lieut. - J.K. Bogewell
Lieut. – R. G Davenport
Chief Engineer P.A. Rearick
Asst Engineer G.B. Ransom
Post Asst Paymaster S.D. Hurlbert
Post Asst Surgeon Wm B. Davis
Boatswain F.A. Dran
Carpenter Henry Davis
Cadet Engineer Wm B. Dunning
“ “ Robt. I Reid
“ “ Henry H. Stevens

John Schouler, Lt. Comdr Ex. Offcr

From 4 to 8 P.M. Clear and pleasant Navy Yard workman engaged on board. Received a portion of stateroom furniture, as crew on board Lieut. L.A. Simons reported for duty

John. T. Sullivan
Lieutenant

From 8 to 12 P.M. Clear and pleasant

John. T. Sullivan
Lieutenant

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER “ESSEX”, 3rd Rate, 6 Guns,
Navy Yard Boston Mass

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prog. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.						
A.M.																	
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9																	
10																	
11																	
Noon																	
Distance run by Log since preceding Noon										knots	fathoms.						
Latitude by D. R. at Noon										°	'	"					
Longitude by D. R. at Noon										°	'	"					
Latitude by Observations at Noon ⊕										°	'	"					
Longitude by Chronometer from Forenoon Observations ⊕										°	'	"					
Current during the time										knots	fms. per hour, setting to the						
Variation of the Compass by Amplitude ⊕ observed at Sunrise										°	"	"					
Variation of the Compass by Azimuth ⊕ observed at										°	"	"					
Water expended during the preceding 24 hours										gallons.							
Water during the preceding 24 hours										"							
Water remaining on hand fit for me at Noon										"							
Coal consumed during the preceding 24 hours										tons	lbs.						
Coal remaining on hand at Noon										"	"						
P.M.																	
1																	
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10																	
11																	
Mid.																	
Longitude by Chronometer from Afternoon Observations ⊕										°	'	"					
Longitude by Chronometer Observations										°	'	"					
Variation of the Compass by Amplitude										observed at Sunset							
Variation of the Compass by										°	'	"					
										at							

under the command of Commander W. Scott Schley , U. S. Navy.
Wednesday October 4th 1876.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant – Bright moonlight

John T. Sullivan
Lieutenant

From 4 to 8 A.M. Clear and pleasant

John T. Sullivan
Lieutenant

From 8 to Merid. Cloudy, warm, misty – Fresh S[outher]ly breeze. Heavy yard workmen working on board. Some of the crew from Receiving Ship working on board. Received some Wardroom and Cabin furniture on board. Received some stores in Navigators Dept.

From Merid. to 4 P.M. Cloudy, warm, misty Fresh S[outher]ly breeze. Heavy yard workman and some of the crew from Receiving Ship working on board. Engineers were engaged in bringing coal on board for dock trial. Received some Equipment Navigators stores. 10 tons coal and filled water tanks from hydrant.

Asa Walker
Lieut.

From 4 to 8 P.M. Cloudy with light S[outher]ly wind

Asa Walker
Lieut.

From 8 to Midnight. Cloudy, misty light S[outher]ly wind

Asa Walker
Lieut.

Asa Walker
Lieut.

Examined and found to be correct

Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns,
Navy Yard Boston Mass

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prog. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.		
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.	
A.M.																	
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9																	
10																	
11																	
Noon																	
.																	
Distance run by Log since preceding Noon															knots	fathoms.	
Latitude by D. R. at Noon															°	'	"
Longitude by D. R. at Noon															°	'	"
Latitude by Observations at Noon ⊕															°	'	"
Longitude by Chronometer from Forenoon Observations ⊕															°	'	"
Current during the time															knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ⊕ observed at Sunrise															°	"	"
Variation of the Compass by Azimuth ⊕ observed at															°	"	"
Water expended during the preceding 24 hours																gallons.	
Water during the preceding 24 hours																"	
Water remaining on hand fit for me at Noon																"	
Coal consumed during the preceding 24 hours															tons	lbs.	
Coal remaining on hand at Noon															"	"	
P.M.																	
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10																	
11																	
Mid.																	
Longitude by Chronometer from Afternoon Observations ⊕															°	'	"
Longitude by Chronometer Observations]															°	'	"
Variation of the Compass by Amplitude observed at Sunset															°	'	"
Variation of the Compass by at															°	'	"

under the command of Commander W. Scott Schley
Thursday, October 5th, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From Mid to 4 A.M. Cloudy, misty with light wind from S[ou]t[h]

Asa Walker
Lieut.

From 4 to 8 A.M. . At G. started fire and made preparation for steaming. Weather cloudy, misty with light breeze from S[ou]t[h]

Asa Walker
Lieut.

From 8 to Merid. Light E wind, Rainy, chilly, disagreeable. Received some Pay and Equipment stores on board. Steam on main boiler for dock trial, but blew out two man hole plates and hauled fire. Navy Yard men and some crew from Receiving Ship working on board.

Richard Davenport
Lieutenant USN

From Merid. to 4 P.M. Light E wind. Rainy, chilly, disagreeable. Received some Pay, Engineers and Equipment stores. Navy Yard and men from Receiving Ship working on board.

Richard Davenport
Lieut. US Navy

From 4 to 8 P.M.

From 8 to Midnight.

Examined and found to be correct

Asa Walker,
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns,
Navy Yard Boston Mass

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prog. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.						
A.M.																	
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9																	
10																	
11																	
Noon																	
Distance run by Log since preceding Noon										knots	fathoms.						
Latitude by D. R. at Noon										°	'	"					
Longitude by D. R. at Noon										°	'	"					
Latitude by Observations at Noon ⊕										°	'	"					
Longitude by Chronometer from Forenoon Observations ⊕										°	'	"					
Current during the time										knots	fms. per hour, setting to the						
Variation of the Compass by Amplitude ⊕ observed at Sunrise										°	"	"					
Variation of the Compass by Azimuth ⊕ observed at										°	"	"					
Water expended during the preceding 24 hours										gallons.							
Water during the preceding 24 hours										"							
Water remaining on hand fit for me at Noon										"							
Coal consumed during the preceding 24 hours										tons	lbs.						
Coal remaining on hand at Noon										"	"						
P.M.																	
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5																	
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7																	
8																	
9																	
10																	
11																	
Mid.																	
Longitude by Chronometer from Afternoon Observations 8										°	'	"					
Longitude by Chronometer Observations]										°	'	"					
Variation of the Compass by Amplitude observed at Sunset										°	'	"					
Variation of the Compass by at										°	'	"					

under the command of Commander W. Scott Schley
Friday October 6th, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From mid to 4 A.M. Cloudy, damp, chilly, moonlight. Light S.E. wind

Richard G Davenport

From 4 to 8 A.M. Cloudy, damp, chilly. Light E[aster]ly wind. Washed down decks with crew from Receiving Ship.

Richard G. Davenport
Lieut. US Navy

From 8 to Merid. Weather cloudy and squally. Engaged in receiving Paymaster stores, beef, pork, rice, etc. Received ordnance stores. Navy Yard workmen engaged in rigging and decks.

J K Cogswell
Lt

From Merid. to 4 P.M. Rainy E[aster]ly wind. Navy Yard and men from Receiving Ship working on board. Engineers Equipment and ordnance stores came on board. Received Pay and small stores.

Richard G. Davenport
Lieutenant US Navy

From 4 to 8 P.M. Cloudy cool, pleasant. At 5 knocked off work. Fresh S.E. wind.

Richard G. Davenport
Lieutenant US Navy

From 8 to Midnight. Cloudy cool N[other]ly wind

Richard G. Davenport
Lieutenant US Navy

Asa Walker
Lieut.

Examined and found to be correct

Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns,
Navy Yard Boston Mass

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prog. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.		
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.	
A.M.																	
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10																	
11																	
Noon																	
Distance run by Log since preceding Noon										knots	fathoms.						
Latitude by D. R. at Noon										°	'	"					
Longitude by D. R. at Noon										°	'	"					
Latitude by Observations at Noon 8										°	'	"					
Longitude by Chronometer from Forenoon Observations 8										°	'	"					
Current during the time										knots	fms. per hour, setting to the						
Variation of the Compass by Amplitude 8 observed at Sunrise										°	"	"					
Variation of the Compass by Azimuth 8 observed at										°	"	"					
Water expended during the preceding 24 hours										gallons.							
Water during the preceding 24 hours										"							
Water remaining on hand fit for me at Noon										"							
Coal consumed during the preceding 24 hours										tons	lbs.						
Coal remaining on hand at Noon										"	"						
P.M.																	
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8																	
9																	
10																	
11																	
Mid.																	
Longitude by Chronometer from Afternoon Observations 8										°	'	"					
Longitude by Chronometer Observations										°	'	"					
Variation of the Compass by Amplitude										observed at Sunset					°	'	"
Variation of the Compass by										at					°	'	"

under the command of Commander W. Scott Schley
Saturday October 7th, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From Mid to 4 A.M. Cloudy

Asa Walker
Lieut.

From 4 to 8 A.M. Clear and pleasant, with fresh breeze from W. At 6 started fires.

Asa Walker
Lieut.

From 8 to Merid. At 8 working party from "Wabash" came on board. Engaged taking on board
Pay, Ordnance, Navigation and Equipment stores. At 10-18 started engines ahead for dock trial.
Weather clear and pleasant with fresh breeze from W.

Asa Walker
Lieut.

From Merid. to 4 P.M. Engaged in receiving paymaster, Ordnance and Equipment stores. At 1-
30 stopped the engines. Weather clear and pleasant with light breeze from N.

Asa Walker
Lieut.

From 4 to 8 P.M. Clear and pleasant with light breeze from N.

Asa Walker
Lieut.

From 8 to Midnight. Clear and pleasant with light breeze from N.

Asa Walker
Lieut.

Asa Walker
Lieut.

Examined and found to be correct

Navigator.

LOG of the UNITED STATES STEAMER “ESSEX”, 3rd Rate, 6 Guns,
Navy Yard Boston Mass

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.			TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prog. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1																
2																
3																
4																
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10																
11																
Noon																
Distance run by Log since preceding Noon										knots	fathoms.					
Latitude by D. R. at Noon										°	'	"				
Longitude by D. R. at Noon										°	'	"				
Latitude by Observations at Noon 8										°	'	"				
Longitude by Chronometer from Forenoon Observations 8										°	'	"				
Current during the time										knots	fms. per hour, setting to the					
Variation of the Compass by Amplitude 8 observed at Sunrise										°	"	"				
Variation of the Compass by Azimuth 8 observed at										°	"	"				
Water expended during the preceding 24 hours										gallons.						
Water during the preceding 24 hours										"						
Water remaining on hand fit for me at Noon										"						
Coal consumed during the preceding 24 hours										tons	lbs.					
Coal remaining on hand at Noon										"	"					
P.M.																
1																
2																
3																
4																
5																
6																
7																
8																
9																
10																
11																
Mid.																
Longitude by Chronometer from Afternoon Observations 8										°	'	"				
Longitude by Chronometer Observations										°	'	"				
Variation of the Compass by Amplitude										°	'	"				
Variation of the Compass by										°	'	"				

under the command of Commander W. Scott Schley
Tuesday October 8th, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From Mid to 4 A.M. Clear and pleasant bright moonlight

Asa Walker
Lieut.

From 4 to 8 A.M. Clear and pleasant with light breeze from N.

Asa Walker
Lieut.

From 8 to Merid. At 9 loosed sails today.

John T Sullivan
Lieutenant

From Merid. to 4 P.M. Partly cloudy and cold. Furled sails at 1 o'clock

John T Sullivan
Lieutenant

From 4 to 8 P.M. Partly cloudy and cold

John T Sullivan
Lieutenant

From 8 to Midnight. Partly cloudy and cold

John T Sullivan
Lieutenant

Examined and found to be correct

Asa Walker,
Lieut.
Navigator.

RECORD OF THE SAIL THE VESSEL IS UNDER AT END OF WATCH.													
Hour.	Knots.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.
		Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at t'd.	Air Dry Bulb.	Air Wet Bulb.				
A.M.													
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
Noon													
.													
Distance run by Log since preceding Noon										knots	fathoms.		
Latitude by D. R. at Noon										°	'	"	
Longitude by D. R. at Noon										°	'	"	
Latitude by Observations at Noon 8										°	'	"	
Longitude by Chronometer from Forenoon Observations 8										°	'	"	
Current during the time										knots	fms. per hour, setting to the		
Variation of the Compass by Amplitude 8 observed at Sunrise										°	"	"	
Variation of the Compass by Azimuth 8 observed at										°	"	"	
Water expended during the preceding 24 hours										gallons.			
Water during the preceding 24 hours										"			
Water remaining on hand fit for me at Noon										"			
Coal consumed during the preceding 24 hours										tons	lbs.		
Coal remaining on hand at Noon										"	"		
P.M.													
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
Mid.													
Longitude by Chronometer from Afternoon Observations 8										°	'	"	
Longitude by Chronometer Observations										°	'	"	
Variation of the Compass by Amplitude										°	'	"	
Variation of the Compass by										°	'	"	

under the command of Commander W. Scott Schley
Monday October 9th, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From Mid to 4 A.M. Clear and cold.

Jn. T Sullivan
Lieutenant

From 4 to 8 A.M. Clear and cold. Lieut. J.A. Simone received his detachment from this vessel
and orders to the U.S.S. Hartford.

Jn. T Sullivan
Lieutenant

From 8 to Merid. Clear and cold N[orther]ly wind. Crew from Receiving Ship and Navy Yard
workmen working on board.

Richard G Davenport
Lieutenant US Navy

From Merid. to 4 P.M. Clear and cold. N[orther]ly wind. Crew from Receiving Ship engaged in
scraping spars. Received some Navigators and Engineer stores on board.

Richard G Davenport
Lieutenant US Navy

From 4 to 8 P.M. Clear and cold N[orther]ly wind.

Richard G Davenport
Lieutenant USN

From 8 to Midnight. Clear and cold, moonlight, N[orther]ly wind

Richard G Davenport
Lieutenant

Examined and found to be correct

Asa Walker,
Lieut. Navigator.

LOG of the UNITED STATES STEAMER “ESSEX”, 3rd Rate, 6 Guns,
Navy Yard Boston Mass

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.			TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prog. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1																
2																
3																
4																
5																
6																
7																
8																
9																
10																
11																
Noon																
Distance run by Log since preceding Noon										knots	fathoms.					
Latitude by D. R. at Noon										°	'	"				
Longitude by D. R. at Noon										°	'	"				
Latitude by Observations at Noon 8										°	'	"				
Longitude by Chronometer from Forenoon Observations 8										°	'	"				
Current during the time										knots	fms. per hour, setting to the					
Variation of the Compass by Amplitude 8 observed at Sunrise										°	"	"				
Variation of the Compass by Azimuth 8 observed at										°	"	"				
Water expended during the preceding 24 hours										gallons.						
Water during the preceding 24 hours										"						
Water remaining on hand fit for me at Noon										"						
Coal consumed during the preceding 24 hours										tons	lbs.					
Coal remaining on hand at Noon										"	"					
P.M.																
1																
2																
3																
4																
5																
6																
7																
8																
9																
10																
11																
Mid.																
Longitude by Chronometer from Afternoon Observations 8										°	'	"				
Longitude by Chronometer Observations										°	'	"				
Variation of the Compass by Amplitude										observed at Sunset						
Variation of the Compass by										°	'	"				
										at						

under the command of Commander W. Scott Schley
Tuesday October 10th, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From Mid to 4 A.M. Clear and cold. Moonlight. N[orther]ly wind.

Richard G Davenport
Lieutenant USN

From 4 to 8 A.M. Clear and cold N[orther]ly wind

Richard G Davenport
Lieutenant USN

From 8 to Merid. Clear and cold. N[orther]ly wind. Received Ordnance Navigation and
Equipment stores. Navy Yard men and crew from Receiving Ship working on board, latter
scraping decks.

Richard G Davenport
Lieut. USN

From Merid. to 8 P.M. Cloudy and cold. N[orther]ly wind, at 5 stopped work and sent crew back.

Richard G Davenport
Lieutenant

From 8 to Midnight. Cloudy, cold N[orther]ly wind.

Richard G Davenport
Lieut. USN

Examined and found to be correct

Asa Walker
Lieut.

Navigator.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky in fths.	State of the Sea.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A.M.															
1															
2															
3															
4															
5							29.86					bc	cir	8	
6							29.86					"	"	8	
7							"					"	"	7	
8							29.88	48	46			"	"	7	
9				N.N.W.	4		30.00	52				bc	Cu.Cum	5	
10				"	4		"	"				"	"	5	
11				"	4		"	"				"	"	5	
Noon				"	4		"	"				"	"	5	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	' "
Longitude by D. R. at Noon	°	' "
Latitude by Observations at Noon ⊕	°	' "
Longitude by Chronometer from Forenoon Observations ⊕	°	' "
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊕ observed at Sunrise	°	" "
Variation of the Compass by Azimuth ⊕ observed at	°	" "
Water expended during the preceding 24 hours		gallons
Water during the preceding 24 hours		" "
Water remaining on hand fit for me at Noon		" "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	

P.M	N.W.by	5	30.06	52	51	bc	cir	5
.	W							
1	"	5	"	"	"	"	"	"
2	"	5	"	"	"	"	"	"
3	"	4	30.08	"	"	"	"	"
4	"							
5	"							
6	"							
7	"							
8	"							
9	"	3	30.20	46	45	bc	cir	8
10	"	2	"	44	43	"	"	9
11	"	3	"	42	41	"	"	9
Mid.	"	2	30.00	"	40	"	"	9

Longitude by Chronometer from Afternoon Observations	⊕	0	1	11
Longitude by Chronometer Observations		0	1	11
Variation of the Compass by Amplitude	observed at Sunset	0	1	11
Variation of the Compass by	at	0	1	11

under the command of Commander W. Scott Schley
Wednesday October 11th, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From Mid to 4 A.M. Cloudy, cold N[orther]ly wind

Richard G Davenport
Lieut.

From 4 to 8 A.M. Clear and cold, light N[orther]ly wind. At 7.15 crew came on board from
Receiving Ship. Crew engaged in getting ship in order.

Jno T Sullivan
Lieut.

From 8 to Merid. Clear, cold Fresh N[orther]ly wind. Navy Yard workmen and crew from
Receiving Ship working on board, latter engaged in scraping the decks.

Richard G Davenport
Lieut.

From Merid. to 4 P.M. Clear and cold. Fresh breeze from N. Navy Yard workmen and crew on
board.

Jno T Sullivan
Lieut.

From 4 to 8 P.M. Clear, cool, pleasant. At 5 stopped work and sent crew back to Receiving
Ship.

Richard G Davenport
Lieut.

From 8 to Midnight. Clear and cool. Light air from N.

Jno T Sullivan
Lieut.

Examined and found to be correct

Asa Walker,
Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Navy Yard Boston Mass

Hour.	Knots.	Fathoms.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prog. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.														
1			NNW	2		30.35	41			b		10		
2			"	2		30.37	39			b		"		
3			"	2		30.39	37			b		"		
4			"	2		30.40	36			b		"		
5			"	3										
6			"	"										
7			"	"										
8			"	"										
9			"	"		30.42	40	39		b		10		
10			"	"		"	42	41		b		"		
11			"	"		"	44	43		b		"		
Noon			"	"		30.46	46	45		b		"		
Distance run by Log since preceding Noon										knots	fathoms.			
Latitude by D. R. at Noon										o	i	"		
Longitude by D. R. at Noon										o	i	"		
Latitude by Observations at Noon ⊕										o	i	"		
Longitude by Chronometer from Forenoon Observations ⊕										o	i	"		
Current during the time				knots	fms. per hour, setting to the									
Variation of the Compass by Amplitude ⊕ observed at Sunrise										o	"	"		
Variation of the Compass by Azimuth ⊕ observed at										o	"	"		
Water expended during the preceding 24 hours												gallons.		
Water during the preceding 24 hours												"		
Water remaining on hand fit for me at Noon												"		
Coal consumed during the preceding 24 hours										tons	lbs.			
Coal remaining on hand at Noon										160	"	"		
P.M.			NNW	3		30.33	65	52		bc	str-cir	5		
1			"	3		"	"	"		"	"	9		
2			"	3		"	"	"		"	"	8		
3			"	3		"	"	"		"	"	"		
4			WNW	2		30.38	53	52		b	"	10		
5			"	2		"	"	"		"	"	"		
6			"	3		"	"	51		"	"	"		
7			"	3		30.34	52	"		"	"	"		
8			SW	3		"	"	48		b	"	10		
9			"	3		"	"	47		"	"	"		
10			"	3		"	"	"		"	"	"		
11			"	3		"	"	"		"	"	"		
Mid.			"								"			
Longitude by Chronometer from Afternoon Observations ⊕										o	i	"		
Longitude by Chronometer Observations										o	i	"		
Variation of the Compass by Amplitude				observed at Sunset					o	i	"			
Variation of the Compass by				at					o	i	"			

under the command of Commander W. Scott Schley
Thursday October 12th, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From Mid to 4 A.M. Clear, cold. Light N[orther]ly breeze. Starlight and moonlight.

Richard G Davenport
Lieut.

From 4 to 8 A.M. Clear and cool. Navy Yard workmen engaged in doing odd jobs about the ship. Cleaning ship.

J.K. Cogswell
Lieut.

From 8 to Merid. Clear and pleasant. Light N[orther]ly airs. Navy Yard workmen on board. Crew engaged in cleaning ship. Started fire under the boilers for heating ship.

J.K. Cogswell
Lieut.

From Merid. to 4 P.M. Clear and pleasant. Received the ships crew on board from the Receiving Ship "Wabash" with their accounts and descriptive lists, consisting of 22 seamen, 1 ord[inary] seaman, 32 Lds [landsmen] Mach[inists], 1 Copper smith, 1 Boiler Maker, 8 Seamen, (Eng Force) 7 ord sea, (Eng Force) Making a total of 76 men and 79 boys. Lieut. Wainwright Kellogg reported for duty on board.

J.K. Cogswell
Lieut.

From 4 to 8 P.M. Clear and cold. Light W[ester]ly airs. Mustered crew at quarters.

Jno T Sullivan
Lieut.

From 8 to Midnight. Clear and cool. Bright starlight. Moderate breeze from S.W.

J K Cogswell
Lieut.

Examined and found to be correct

Asa Walker,
Lieut.

Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Navy Yard Boston Mass

		WINDS.			BAROMETER.		TEMPERATURE.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
--	--	--------	--	--	------------	--	--------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

under the command of Commander W. Scott Schley
Friday October 13th, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From Mid to 4 A.M. Clear and cool. Light air from the N.W.

Jno T Sullivan
Lieut.

From 4 to 8 A.M. Clear, cool, pleasant. Moderate N[orther]ly wind

Richard G Davenport
Lieut.

From 8 to Merid. Pleasant weather, clear. At 9.30 inspected all quarters and stationed gun crews.

J K Cogswell
Lieut.

From Merid. to 4 P.M. Clear, cool, pleasant. Light W[ester]ly winds. Received some stores in Equipment Dept. Rec[eived] some Paymaster stores. Navy Yard workmen engaged working on board. P. A. Paymaster S D Hurlbert left the ship on a three days leave of absence.

Richard G Davenport
Lieut.

From 4 to 8 P.M. Clear and cool. Light airs from the W. Mustard at quarters at 5.45.

J K Cogswell
Lieut.

From 8 to Midnight. Clear, cool, damp. Light W[ester]ly wind. Heating ship with steam, two main boilers.

Richard G Davenport
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns,
Navy Yard Boston Mass

Hour.	Knots	Fathoms.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.			
A.M.														
1				Calm	0		30.13	50	51			be	cir ste	10
2				"	"		"	"	"			"	"	8
3				"	"		"	"	"			"	"	6
4				"	"		"	"	"			"	"	5
5				"	"		30.40	50	45			"	cir Cum	7
6				"	"		"	"	47			"	"	6
7				"	"		"	49	49			"	"	3
8				"	"		"	50	55			"	"	"
9				SW	"		30.08	52	52			"	"	"
10				"	"		30.02	56	53			"	"	"
11				"	"		30.04	58	55			"	"	"
Noon				"	"		30.30	60	59			"	"	"

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	' "
Longitude by D. R. at Noon	°	' "
Latitude by Observations at Noon ⊕	°	' "
Longitude by Chronometer from Forenoon Observations ⊕	°	' "
Current during the time knots fms. per hour, setting to the	°	" "
Variation of the Compass by Amplitude ⊕ observed at Sunrise	°	" "
Variation of the Compass by Azimuth ⊕ observed at	°	" "
Water expended during the preceding 24 hours		gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for me at Noon		"
Coal consumed during the preceding 24 hours	1 tons	290 lbs.
Coal remaining on hand at Noon	157 "	1315 "

P.M.			SW	4	29.95	65	65	be	cir Cum	3
1			"	6	29.90	"	64	og	"	0
2			"	"	29.88	"	"	"	"	"
3			"	5	"	"	"	"	"	"
4										
5										
6										
7										
8										
9										
10										
11										
Mid.										

Longitude by Chronometer from Afternoon Observations ⊕	°	' "
Longitude by Chronometer Observations]	°	' "
Variation of the Compass by Amplitude observed at Sunset	°	' "
Variation of the Compass by at	°	' "

under the command of Commander W. Scott Schley
Saturday October 14th, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From Mid to 4 A.M. Clear, cool and calm.

J K Cogswell
Lieut.

From 4 to 8 A.M. Weather cool and pleasant with light mists during first part of watch. Overcast and misty latter part.

Wainwright Kellogg
Lieut.

From 8 to Merid. Cloudy, cold. Cir Cum clouds. Light S.W. wind.

Richard G Davenport
Lieut.

From Merid. to 4 P.M. Weather during first part of watch clear and pleasant, latter part overcast with fresh breeze from S. and W.

Wainwright Kellogg
Lieut.

From 4 to 8 P.M. Overcast, cool, damp. Moderate S.W. wind. Cir Cum clouds.

Richard G Davenport
Lieut.

From 8 to Midnight. Weather overcast but pleasant, with fresh breeze from S. and W. first part of watch. N latter part.

Wainwright Kellogg
Lieut.

Asa Walker,
Lieut.

Examined and found to be correct

Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Navy Yard Boston Mass

Hour.	Knots.	Fathoms.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A.M.														
1			N	3		29.45	61	50			or	Nimb	0	
2			"	"		29.89	60	"			"	"	"	
3			"	"		"	59	"			"	"	"	
4			"	"		29.90	60	"			"	"	"	
5			NNE	1-3		"	44	41			ogs	"	"	
6			"	"		"	"	40			"	"	"	
7			"	"		"	"	"			"	"	"	
8			"	"		29.92	"	"			"	"	"	
9			"	3		"	43	"			"	Nimb Cum	"	
10			"	"		"	"	"			"	"	"	
11			"	"		"	"	"			"	"	"	
Noon			"	"		"	"	"			"	"	"	
Distance run by Log since preceding Noon										knots		fathoms.		
Latitude by D. R. at Noon										o		i		"
Longitude by D. R. at Noon										o		i		"
Latitude by Observations at Noon ⊕										o		i		"
Longitude by Chronometer from Forenoon Observations ⊕										o		i		"
Current during the time										knots		fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊕ observed at Sunrise										o		"		"
Variation of the Compass by Azimuth ⊕ observed at										o		"		"
Water expended during the preceding 24 hours										gallons.				
Water										during the preceding 24 hours				
Water remaining on hand fit for me at Noon														
Coal consumed during the preceding 24 hours										tons		1840	lbs.	
Coal remaining on hand at Noon										156	"	1715	"	
P.M.			NNE	3-2		29.92	44	36			ogs	Nimb	0	
1			"	2		"	"	"			og	"	"	
2			NNW	2-5		"	"	"			fog	Cum Nimb	4	
3			"	3-5		"	"	"			"	Cum	0	
4			"	4-6		"	"	35			bc	Cu Cum	5	
5			"	"		"	"	"			"	"	6	
6			"	"		"	"	"			"	"	"	
7			"	"		"	"	"			"	"	"	
8			"	"		"	"	"			"	"	7	
9			"	"		"	"	"			"	"	8	
10			"	"		29.94	"	"			"	"	10	
11			"	"		"	"	"			f	"	"	
Mid.			"	"		29.96	"	"			"	"	"	
Longitude by Chronometer from Afternoon Observations ⊕										o		i		"
Longitude by Chronometer Observations										o		i		"
Variation of the Compass by Amplitude										o		i		"
Variation of the Compass by										o		i		"

under the command of Commander W. Scott Schley
Sunday October 15th, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast, rainy, cold, disagreeable. Nimb clouds. Moderate N[orther]ly wind.

(Signed) Richard G Davenport
Lieut.

From 4 to 8 A.M. Light squalls from N and E. Overcast. Commenced scouring at 5.30 and continued during watch.

(Signed) J F Sullivan
Lieut.

From 8 to Merid. Weather cold, overcast with slight fall of snow during watch.

(Signed) W Kellogg
Lieut.

From Merid. to 4 P.M. Snowing lightly and overcast. First part of watch with fresh squally wind from N and E, shifting to S and W, with cold clearing weather. Commenced distilling at 1 o'clock

(Signed) J.F. Sullivan
Lieut.

From 4 to 8 P.M. Clear, cold and pleasant. Wind from N & W. Peter Franks (2.M.) Dennis J Downing (B.M.) Charles Green and Oscar Hawtell (2.M.) absent without leave.

(Signed) W. Kellogg
Lieut.

From 8 to Midnight. Clear and cold. Wind fresh in squalls from the N and W. Stopped distilling at 11 o'clock.

(Signed) J.F. Sullivan
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER “ESSEX”, 3rd Rate, 6 Guns,
Navy Yard Boston Mass

Hour.	Knots.	Fathoms.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prog. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.		Force.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.															
1				NW	5		29.96	45	39		be	Str Cum	7		
2				"	6		"	"	40		"	"	"		
3				"	3		29.98	"	"		"	"	"		
4				"	"		"	"	"		"	"	"		
5				West	1		30.00	"	41		"	Str	"		
6				"	2		"	43	"		"	"	8		
7				"	"		"	"	44		"	"	"		
8				"	"		"	46	48		"	"	"		
9				NNW	4-7		29.98	48	"		"	Cir Cum	"		
10				"	"		"	"	"		"	"	"		
11				"	"		"	49	"		"	"	"		
Noon				"	"		"	51	49		"	"	"		

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	' "
Longitude by D. R. at Noon	°	' "
Latitude by Observations at Noon ⊕	°	' "
Longitude by Chronometer from Forenoon Observations ⊕	°	' "
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ⊕ observed at Sunrise	°	" "
Variation of the Compass by Azimuth ⊕ observed at	°	" "
Water expended during the preceding 24 hours		gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for me at Noon		"
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.				29.96										
1			West	4-5	"	49				fog	Cir Cum	6		
2			"	"	"	"				"	"	7		
3			"	"	"	50				"	"	5		
4			"	"	"	"				"	"	"		
5			"	"	"	"				"	"	"		
6			"	3-4	"	"				"	"	"		
7			"	"	"	29.92				"	"	"		
8			"	2-4	"	29.91				"	"	"		
9			"	3	"	29.90	33	52		bc	Cum	6		
10			"	2	"	"	"	"		"	"	"		
11			"	"	"	"	"	"		"	"	"		
Mid.			"	"	"	"	"	"		"	"	"		

Longitude by Chronometer from Afternoon Observations ⊕	°	' "
Longitude by Chronometer Observations]	°	' "
Variation of the Compass by Amplitude observed at Sunset	°	' "
Variation of the Compass by at	°	' "

under the command of Commander W. Scott Schley
Monday October 16th, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear, cool and pleasant. Fresh breeze from N. and W.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 A.M. Cool and calm. Light breeze from the W.

(Signed) J. K. Cogswell
Lieut.

From 8 to Merid. Clear and cold. Blowing fresh in squally from N. and W. Inspected crew at quarters. James McCarty 1st C.F. is absent without leave.

(Signed) J.T. Sullivan
Lieut.

From Merid. to 4 P.M. Weather cool and clear. Strong wind from the W. Squally.

(Signed) J.K. Cogswell
Lieut.

From 4 to 8 P.M. Clear and cool. Wind moderating.

(Signed) J.T. Sullivan
Lieut.

From 8 to Midnight. Weather cool and cloudy. Wind from the W. in occasional squalls.

(Signed) J.K. Cogswell

Asa Walker,
Lieut.

Examined and found to be correct

Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Navy Yard Boston Mass

Hour.	Knots.	Fathoms.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prog. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.			
A.M.														
1				WSW	3		29.92	51				0	Cum Nimb	0
2				"	"		"	"				"	"	"
3				"	"		"	"				"	"	"
4				"	"		"	"				"	"	"
5				"	3-5		29.90	"				"	"	"
6				"	"		29.88	"				"	"	"
7				"	"		29.86	54				"	"	"
8				"	"		29.84	56				"	"	"
9				NW	"		29.84	55				bc	"	3
10				"	"		"	53				"	"	"
11				"	"		"	"				"	"	5
Noon				"	"		29.85	"				"	"	"

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	0	"	"
Longitude by D. R. at Noon	0	"	"
Latitude by Observations at Noon ⊕	0	"	"
Longitude by Chronometer from Forenoon Observations ⊕	0	"	"
Current during the time	Knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ⊕ observed at Sunrise	0	"	"
Variation of the Compass by Azimuth ⊕ observed at	0	"	"
Water expended during the preceding 24 hours		gallons.	
Water during the preceding 24 hours		"	
Water remaining on hand fit for me at Noon		"	
Coal consumed during the preceding 24 hours	3	tons	405 lbs.
Coal remaining on hand at Noon	151	"	2010 "

P.M.														
1		NW	3	29.85	55	53			bc	Cum	2			
2		"	4	29.86	54	52			"	Cir Cum	4			
3		"	"	29.88	53	50			"	"	7			
4		"	"	29.91	"	51			"	cir	8			
5		"	3-4	29.95	52	52			"	"	"			
6		"	3	29.98	"	49			"	"	9			
7		"	2	30.00	51	48			b	"	10			
8		"	"	"	"	47			"	"	"			
9		"	"	30.02	"	46			bc	"	9			
10		"	"	30.05	"	50			"	"	"			
11		"	"	30.06	"	"			"	"	"			
Mid.		"	"	30.05	"	51			"	"	"			

Longitude by Chronometer from Afternoon Observations ⊕	0	"	"
Longitude by Chronometer Observations]	0	"	"
Variation of the Compass by Amplitude observed at Sunset	0	"	"
Variation of the Compass by at	0	"	"

under the command of Commander W. Scott Schley
Tuesday October 17th, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From Mid to 4 A.M. Overcast. Moderate breeze from the S. and W. Stopped distilling at 12 o'clock.

(Signed) J.T. Sullivan
Lieut.

From 4 to 8 A.M. Cold. Damp. Overcast. Disagreeable. At 4.30 lighted fire under four more main boilers. At 6 commenced distilling. Ships draft 13 feet 8 in. forward and 16 feet aft. Moderate W[esterly] wind, cum nimb clouds. At 7.40 Pilot came on board, got ship moorings ready for slipping.

(Signed) Richard G Davenport
Lieut.

From 8 to Merid. Weather cool and cloudy. Moderate breeze from the W. At 8.40 steamed out from the wharf and anchored off the Navy Yard in five fathoms of water, with (30) thirty fathoms port chain. Received powder, shell and small arm ammunition. Ships draft forward, fourteen feet 3 in. Amidships, fourteen feet 9 in. Aft, sixteen feet. At 9 banked fires.

(Signed) J.K. Cogswell
Lieut.

From Merid. to 4 P.M. Clearing. Cool. Pleasant. Cir. cum clouds. Moderate N.W. wind. At 12.15 stopped distilling. Mended first of light sails. Finished stowing magazine and shell rooms. Banked fires under six main boilers. Distilling. Riding to wind. Ebb tide.

(Signed) Richard G. Davenport
Lieut.

From 4 to 8 P.M. Weather clear and cool. Mustered at quarters at 5.30. Swung to flood tide at 7.

(Signed) J.K. Cogswell
Lieut.

From 8 to Midnight. Clear. Cold. Bright starlight. Moderate N.W. wind. Several bright meteors passed over from E.S.E. Rising to flood. Slack water at 11.40. Banked fires under six main boilers. Distilling.

(Signed) Richard G. Davenport
Lieut.

Asa Walker,
Lieut.

Examined and found to be correct

Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Navy Yard Boston Mass

Hour.	Knots.	Fathoms.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prog. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.			
A.M.														
1				Calm	0		30.10	51	47		bc	Cir	8	
2				"	"		"	"	"		"	"	"	
3				"	"		"	"	"		"	"	"	
4				"	"		"	"	"		"	"	"	
5				NNW	4		30.14	44	44		"	Cir Cum	"	
6				"	"		"	"	"		"	"	"	
7				"	"		30.16	45	46		"	"	"	
8				"	"		30.18	46	"		"	"	9	
9				"	"		30.17	47	47		bc	"	10	
10				"	3-5		30.16	49	49		"	"	"	
11				"	"		30.15	50	50		"	"	"	
Noon				"	"		30.14	53	53		"	"	"	

Distance run by Log since preceding Noon	knots	fathoms.		
Latitude by D. R. at Noon	°	'	"	
Longitude by D. R. at Noon	°	'	"	
Latitude by Observations at Noon ⊕	°	'	"	
Longitude by Chronometer from Forenoon Observations ⊕	°	'	"	
Current during the time	knots	fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊕ observed at Sunrise	°	"	"	
Variation of the Compass by Azimuth ⊕ observed at	°	"	"	
Water expended during the preceding 24 hours		gallons.		
Water during the preceding 24 hours		"		
Water remaining on hand fit for me at Noon		"		
Coal consumed during the preceding 24 hours	2	tons	1960	lbs.
Coal remaining on hand at Noon	149	"	50	"

P.M.														
1				NW	3		30.12	55	55		bc	Cir Cum	9	
2				"	"		"	"	"		"	"	"	
3				"	"		"	"	"		"	Cir	"	
4				"	"		30.14	"	56		"	"	"	
5				NNW	"		"	56	"		b	"	10	
6				"	2		"	54	58		"	"	"	
7				"	"		30.15	56	57		"	"	"	
8				"	"		30.16	55	56		"	"	"	
9				Calm	0		"	53	54		bc	"	9	
10				"	"		"	50	50		"	"	"	
11				"	"		30.18	48	48		"	"	"	
Mid.				"	"		30.19	47	46		"	"	"	

Longitude by Chronometer from Afternoon Observations ⊕	°	'	"	
Longitude by Chronometer Observations]	°	'	"	
Variation of the Compass by Amplitude observed at Sunset	°	'	"	
Variation of the Compass by at	°	'	"	

under the command of Commander W. Scott Schley
Wednesday October 18th, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From Mid to 4 A.M. Weather clear and cool. Calm. Riding to the ebb tide.

(Signed) J.K. Cogswell
Lieut.

From 4 to 8 A.M. Clear, cool and pleasant weather, with light breeze from N. and W. Tide
changed flood at 7.30.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Merid. Clear, cool, pleasant. Fresh puffs from N.N.W. and W.N.W. Field day. Riding
to flood. Banked fires under six main boilers. Distilling. Received (11) eleven boxes of candles in
Paymasters Department. Slack water at 11.45. Draft forward, fourteen feet five inches. Draft
amidships, fifteen feet. Draft aft sixteen feet two inches.

(Signed) Richard G Davenport
Lieut.

From Merid. to 4 P.M. Clear and pleasant weather, with light breeze from N and W. Ship
swings to ebb tide at 12.05.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 P.M. Clear. Cool. Pleasant. Light W.N.W. wind. At 4.50 lighted fire under the two
remaining main boilers. At 5.15 mustered crew at quarters and found Wm Devoie (B.Maker)
absent without leave. At 7.20 swung to flood.

(Signed) Richard G Davenport
Lieut.

From 8 to Midnight. Clear. Cool. Pleasant. Calm. Ship riding to flood tide during watch.

(Signed) Wainwright Kellogg

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Navy Yard Boston Mass

Hour.	Knots.	Fathoms	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prog. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A.M.														
1			West	2		30.22	48	45			b		10	
2			"	"		"	47	"			"		"	
3			"	"		30.23	46	44			"		"	
4			"	"		30.24	"	"			"		"	
5			"	1		"	"	"			"		"	
6			"	1		30.26	"	"			"		"	
7			"	1		30.28	"	45			"		"	
8			"	1		30.30	"	"			"		"	
9			Calm	0		"	"	46			bc	Cir Cum	9	
10			"	"		"	47	48			"	"	"	
11			"	"		"	48	50			"	"	"	
Noon			"	"		"	"	52			"	"	"	

Distance run by Log since preceding Noon	knots	fathoms.		
Latitude by D. R. at Noon	o	'		"
Longitude by D. R. at Noon	o	'		"
Latitude by Observations at Noon ⊕	o	'		"
Longitude by Chronometer from Forenoon Observations ⊕	o	'		"
Current during the time	knots	fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊕ observed at Sunrise	o	"		"
Variation of the Compass by Azimuth ⊕ observed at	o	"		"
Water expended during the preceding 24 hours		gallons.		
Water during the preceding 24 hours		"		
Water remaining on hand fit for me at Noon		"		
Coal consumed during the preceding 24 hours	6	tons	1625	lbs.
Coal remaining on hand at Noon	142	"	665	"

P.M.														
1			SE	01		30.28	52	54			b		10	
2			"	1		"	56	56			"		"	
3			"	2		30.26	"	"			"		"	
4			"	3		30.24	"	"			"		"	
5			WSW	2		30.22	"	"			"		"	
6			"	"		"	"	"			bc	Cir Cum	9	
7			"	1		30.25	54	54			"	"	"	
8			"	1		"	53	53			"	"	"	
9			Calm	0		"	"	"			"	"	"	
10			"	"		"	"	"			b	"	10	
11			S by W	1		"	"	"			"	"	"	
Mid.			"	1		30.26	"	"			"	"	"	

Longitude by Chronometer from Afternoon Observations ⊕	o	'		"
Longitude by Chronometer Observations]	o	'		"
Variation of the Compass by Amplitude observed at Sunset	o	'		"
Variation of the Compass by at	o	'		"

under the command of Commander W. Scott Schley
Thursday October 19th, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear. Cool. Bright starlight. Light W. wind. At 1.15 swung to ebb. Banked fires under main boilers. Distilling.

(Signed) Richard G Davenport
Lieut.

From 4 to 8 A.M. Clear and cool. Light W[ester]ly airs. Swung to flood tide at 7.30.

(Signed) J.T. Sullivan
Lieut.

From 8 to Merid. Weather clear and pleasant. Calm. At 10, hove in to 15 fathoms on port chain and made preparations for sea. At 10.30 a board of officers consisting of Capt E.Y. McCaulay, Chief Engineer Chester H. Lowing, Lieut. Commd. George F. Davis and S.A. Engineer Butterworth came on board to witness the trial trip of this vessel over the measured mile. At 11 o'clock called all hands up anchor. At 11.35 got under way and steamed down the harbor in charge of pilot. Ord. Sea. Zachman came on board and was placed under arrest for absence without leave by order of Commd. Officer.

(Signed) Wainwright Kellogg
Lieut.

From Merid. to 4 P.M. Clear and cool. Calm and light S.E[aster]ly airs. At 12.45 came to with port anchor, swing to 30 fathoms chain in 8 1/2 fathoms water. Obligated to anchor on account of hot bearings and quadrant chains bin jammed. At 2.15 got under way again.

(Signed) J.T. Sullivan
Lieut.

From 4 to 8 P.M. Weather clear and pleasant. Light airs from W.S.W. at 4.15 came to with port anchor off Navy Yard in 6 fathoms water and veered to 30 fathoms of chain. At 4.30 the board of officers to witness trial trip left the ship. At 7.30 ship swung to flood tide.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Midnight. Clear and cool. Calm and light S[outher]ly airs.

(Signed) J.T. Sullivan
Lieut.

Asa Walker,
Lieut.

Examined and found to be correct

Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Navy Yard Boston Mass

Hour.	Knots.	Fathoms.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prog. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.			
A.M.														
1				WSW	2		30.24	50	50			bc	Cir Cum	9
2				"	"		"	"	"			"	"	"
3				"	"		"	"	"			"	"	"
4				"	"		"	"	"			"	"	"
5				"	"		30.22	51	"			"	Cir Ste	6
6				"	"		"	52	51			"	"	9
7				"	"		"	"	"			ob	"	0
8				"	"		"	"	"			"	"	"
9				"	"		"	"	54			"	Cum	"
10				"	"		"	54	"			"	"	"
11				"	"		"	58	56			"	"	"
Noon				"	"		"	"	57			"	"	"

Distance run by Log since preceding Noon		knots		fathoms.
Latitude by D. R. at Noon		0		"
Longitude by D. R. at Noon		0		"
Latitude by Observations at Noon ⊕		0		"
Longitude by Chronometer from Forenoon Observations ⊕		0		"
Current during the time	knots		fms. per hour, setting to the	
Variation of the Compass by Amplitude ⊕ observed at Sunrise		0		"
Variation of the Compass by Azimuth ⊕ observed at		0		"
Water expended during the preceding 24 hours				gallons.
Water during the preceding 24 hours				"
Water remaining on hand fit for me at Noon				"
Coal consumed during the preceding 24 hours	7	tons	1685	lbs.
Coal remaining on hand at Noon	135	"	1220	"

P.M.														
1			SW	2		30.18	60	62			oc	Cir ste	0	
2			"	3		"	62	64			"	"	"	
3			"	"		30.13	"	65			"	"	"	
4			"	"		30.12	"	"			"	"	"	
5			"	"		"	"	"			"	"	"	
6			"	"		"	"	63			"	"	"	
7			"	"		"	61	60			"	"	"	
8			"	"		"	"	57			"	"	"	
9			Calm	0		30.15	56	55			bon	"	"	
10			"	"		"	"	"			bw	"	10	
11			"	"		"	"	"			"	"	"	
Mid.			"	"		"	"	"			"	"	"	
Longitude by Chronometer from Afternoon Observations ⊕											0		"	
Longitude by Chronometer Observations											0		"	
Variation of the Compass by Amplitude											0		"	
Variation of the Compass by											0		"	

under the command of Commander W. Scott Schley
Friday October 20th, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather clear cool and pleasant with light air from S. and W. At 1.15 ship swung to ebb.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 A.M. Weather became overcast and foggy at 6.30. Riding to ebb. Slack water at 7.

(Signed) J. K. Cogswell
Lieut.

From 8 to Merid. Overcast. Light W[ester]ly airs. Brought to our port chain and hove short 10.15. At 10.30 board of officers to witness trials came on board. At 10.55 got underway. Draft forward 14 feet. Amidships 15 feet. Aft 16 feet. Listed two degrees to starboard.

(Signed) J.T. Sullivan
Lieut.

From Merid. to 4 P.M. Made trial trip over a measured course of 1.42 miles and developed a mean maximum speed of 10.18 miles per hour. Sea smooth, light breeze from S.W. Swung ship for deviation of compass. At 3.30 anchored off the Navy Yard in 5 fathoms of water with 30 fathoms on starboard chain. Found forward "Rock Shaft" of main engine sprung. Weather overcast.

(Signed) J.K. Cogswell
Lieut.

From 4 to 8 P.M. Overcast. Light S. W[ester]ly airs. Hauled fire from under all the boilers at 5.20. Slack water at 7.30.

(Signed) J. T. Sullivan
Lieut.

From 8 to Midnight. Weather hazy. Calm. Swung to the flood tide at 8.30.

(Signed) J.K. Cogswell
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER “ESSEX”, 3rd Rate, 6 Guns,
Navy Yard Boston Mass

Hour.	Knots.	Fathoms.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prog. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A.M.														
1			Calm	0		30.12	55	55			bc su	Cum	5	
2			"	"		"	"	"			"	"	4	
3			"	"		"	"	"			"	"	"	
4			"	"		"	"	"			"	"	"	
5			"	"		"	"	54			"	"	"	
6			"	"		30.11	"	"			"	"	2	
7			"	"		30.10	54	"			osu	Cum Nimb	0	
8			"	"		"	"	"			"	"	"	
9			"	"		"	55	"			obu	Nimb	"	
10			NE	1		"	56	"			"	"	"	
11			"	1		"	"	"			"	"	"	
Noon			"	1-2		"	"	"			"	"	"	

Distance run by Log since preceding Noon	knots	fathoms.		
Latitude by D. R. at Noon	0	"	"	"
Longitude by D. R. at Noon	0	"	"	"
Latitude by Observations at Noon ⊕	0	"	"	"
Longitude by Chronometer from Forenoon Observations ⊕	0	"	"	"
Current during the time	knots	fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊕ observed at Sunrise	0	"	"	"
Variation of the Compass by Azimuth ⊕ observed at	0	"	"	"
Water expended during the preceding 24 hours	gallons.			
Water	during the preceding 24 hours			
Water remaining on hand fit for me at Noon				
Coal consumed during the preceding 24 hours	2	tons	120	lbs.
Coal remaining on hand at Noon	132	"	1100	"

P.M.														
1			Calm	0		30.08	56	55			ob	Nimb	0	
2			"	"		30.07	"	"			"	"	"	
3			"	"		30.06	"	"			"	"	"	
4			"	"		"	"	"			"	"	"	
5			"	"		30.08	"	"			"	"	"	
6			"	"		"	55	56			"	"	"	
7			"	"		"	"	"			"	"	"	
8			"	"		"	"	"			"	"	"	
9			"	"		30.40	56	"			b	"	10	
10			"	"		"	"	"			"	"	"	
11			"	"		"	"	"			"	"	"	
Mid.			"	"		"	"	"			"	"	"	

Longitude by Chronometer from Afternoon Observations ⊕	0	"	"	"
Longitude by Chronometer Observations	0	"	"	"
Variation of the Compass by Amplitude	0	"	"	"
Variation of the Compass by	0	"	"	"

under the command of Commander W. Scott Schley
Saturday October 21st, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

[Editor's Note: The following two pages was pasted on top of the log entry for October 21, 1876.]

The following recommendations for Petty Officers are made in conformity with General Order No. 197 of the Navy Department. Viz:

Dennis L Downey	Sea	to	Boatswains Mate
John L. King	"	"	" "
Charles Green	"	"	Gunners Mate
Luther Baker	"	"	Quarter Master
William Walker	"	"	" "
Oscar Huntress	"	"	" "
Michael Cleary	"	"	Quarter Gunner
Peter Franks	"	"	" "
William B Spencer	"	"	Quarter Yeoman
Charles H. Moulton	Lds	"	Ships Writer
Benj O. Low	"	"	School Master
Nicholas Dormail	"	"	Carpenters Mate
George C. Caswell	"	"	Sailmakers Mate
Joseph Barry	Sea	"	Captain Hold
David Dalton	Ord Sea	"	Ships Cook
E.A. Chase	Lds	"	2 nd CI Painter
Thomas W. Hackett	"	"	Armorer
Henry Foster	"	"	Ships Tailor
Issac Fassett	"	"	Bugler
Edward Cass	"	"	Cooper
Patrick D Cass	"	"	Carpenter
Maurice Clark	"	"	"
William Anderson	Sea	"	Capt Forecastle
Maurice Rowan	"	"	" "
John O' Neil	"	"	Capt Top

under the command of Commander W. Scott Schley
Saturday October 21st, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

[Editor's Note: This is the second of two pages that was pasted on top of the log entry for October 21, 1876. It is a continuation of the recommendations from the previous page.]

George Meyers Sea to Captain Top

We further recommend Thomas Kelly (Sea) for the rating of Capt of Top, from and after ~~this date~~ October 21st, in place of George Meyer, whom we recommend to be disrated and transferred to the "Wabash", he being too old to perform duties required.

[Signed]	
John Schouler	Lieut. Comdr
Asa Walker	Lieut.
Richard G Davenport	Lieut.

Approved and ordered
W.S. Schley
Comdr Comdg

under the command of Commander W. Scott Schley
Saturday October 21st, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather hazy. Calm. Swung to the ebb tide at 2.30.

(Signed) J.T. Sullivan.
Lieut.

From 4 to 8 A.M. Overcast. Cool. Misty. Calm. Steam on two boilers. Distilling. Riding to ebb.

(Signed) Richard G Davenport
Lieut.

From 8 to Merid. Dense fog. Wet. Light breeze from N.E. Riding to the flood tide. Turned flood at 8.20.

(Signed) J. K. Cogswell
Lieut.

From Merid. to 4 P.M. Overcast. Calm. Disagreeable. Thick fog. George Meyer (C.T.) disrated by order of Comdg Officer, and transferred Ab Seaman to Receiving Ship "Wabash", by order of Commandant of Station. At 3 swung to ebb. The following men were transferred from the "Wabash" to this ship. Thomas Kelly (Sea) Wm. H. Folison (Lds) and Ed. T. Burke (Lds) Heating ship with two boilers. Sent "Rock shaft" on shore for repairs.

(Signed) Richard G. Davenport
Lieut.

From 4 to 8 P.M. Thick dripping fog. Calm. Received 6 cases of Marine clothing from Marine Off. Navy Yard. Gave Wm. Folison (W.O.S) 8 hours extra duty, by order of Comd Officer, for spitting tobacco juice in 2nd cutter.

(Signed) J.K. Cogswell
Lieut.

From 8 to Midnight. Foggy. Cool. Calm. Starlight last part of watch. At 8.30 started distilling. At 9.15 swung to flood.

(Signed) Richard G. Davenport
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Navy Yard Boston Mass

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.															
1				Calm	0		30.07	62	61		bo	Nimb	0		
2				"	"		"	"	"		"	"	"		
3				"	"		"	"	59		"	"	"		
4				"	"		"	"	"		"	"	"		
5				"	"		30.05	64	58		b	"	"		
6				"	"		"	"	60		"	"	"		
7				"	"		"	"	"		"	"	"		
8				"	"		"	"	"		"	"	"		
9				"	"		"	"	"		"	"	10		
10				N	1		"	"	"		"	"	"		
11				NE	1		"	"	"		"	"	"		
Noon				SE	1		"	"	"		"	"	"		

Distance run by Log since preceding Noon	knots		fathoms.	
Latitude by D. R. at Noon	o	'	"	
Longitude by D. R. at Noon	o	'	"	
Latitude by Observations at Noon ⊕	o	'	"	
Longitude by Chronometer from Forenoon Observations ⊕	o	'	"	
Current during the time knots fms. per hour, setting to the				
Variation of the Compass by Amplitude ⊕ observed at Sunrise	o	"	"	
Variation of the Compass by Azimuth ⊕ observed at	o	"	"	
Water expended during the preceding 24 hours				gallons.
Water during the preceding 24 hours				"
Water remaining on hand fit for me at Noon				"
Coal consumed during the preceding 24 hours	1	tons	175	lbs.
Coal remaining on hand at Noon	131	"	925	"

P.M.						
1	SSE	2	30.02	64	61	b
2	E by S	"	"	"	62	"
3	"	"	"	"	"	"
4	"	"	"	"	"	"
5	SE	1	"	"	"	"
6	"	"	"	63	61	"
7	"	"	"	"	60	"
8	"	"	"	"	"	"
9	Calm	0	30.04	"	59	"
10	"	"	"	"	58	"
11	"	"	"	"	"	"
Mid.	"	"	"	62	"	"

Longitude by Chronometer from Afternoon Observations \oplus	0	'	"
Longitude by Chronometer Observations]	0	'	"
Variation of the Compass by Amplitude observed at Sunset	0	'	"
Variation of the Compass by at	0	'	"

under the command of Commander W. Scott Schley
Sunday October 22nd, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather foggy and rainy. High water at 2.45. Calm.

(Signed) J. K. Cogswell
Lieut.

From 4 to 8 A.M. Weather foggy. Calm. Ship swung to ebb tide during watch.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Merid. Foggy. Light variable breeze. Cool. Distilling with two boilers. At 9.30 mustered crew at quarters. At 9.40 swung to flood. Forward "Rockshaft" received on board. Men from Navy Yard working on high pressure cylinder.

(Signed) Richard G. Davenport
Lieut.

From Merid. to 4 P.M. Weather foggy. Light breeze from S. and E. At 3.45 ship swung to ebb tide. Workmen from Navy Yard engaged in making repairs on engine. Distilling two main boilers.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 P.M. Thick fog. Cool. Disagreeable. Light S.E. breeze. Riding to ebb. Men from Navy Yard working on high pressure cylinder. Distilling two main boilers.

(Signed) Richard G. Davenport
Lieut.

From 8 to Midnight. Thick foggy weather. Calm. Ship swung to flood at 10 o'clock. Workmen from Navy Yard engaged in making repairs on engine. Distilling two main boilers.

(Signed) Wainwright Kellogg
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER “ESSEX”, 3rd Rate, 6 Guns,
Navy Yard Boston Mass

Hour.	Knots.	Fathoms.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.														
1			Calm	0		30.02	63	62		b		10		
2			"	"		30.01	"	"		"		"		
3			"	"		30.00	"	"		"		"		
4			"	"		"	"	"		"		"		
5			"	"		29.98	"	"		bd	Nimb	0		
6			"	"		"	"	"		"	"	"		
7			"	"		29.96	"	"		"	"	"		
8			E	1		"	"	"		"	"	"		
9			NE	1		29.95	63	"		"	"	"		
10			"	2		29.94	"	"		"	"	"		
11			E by N	"		29.92	"	"		"	"	"		
Noon			"	"		"	65	"		"	"	"		
Distance run by Log since preceding Noon										knots	fathoms.			
Latitude by D. R. at Noon										°	'	"		
Longitude by D. R. at Noon										°	'	"		
Latitude by Observations at Noon ⊕										°	'	"		
Longitude by Chronometer from Forenoon Observations ⊕										°	'	"		
Current during the time knots fms. per hour, setting to the										°	'	"		
Variation of the Compass by Amplitude ⊕ observed at Sunrise										°	'	"		
Variation of the Compass by Azimuth ⊕ observed at										°	'	"		
Water expended during the preceding 24 hours										gallons.				
Water during the preceding 24 hours										"				
Water remaining on hand fit for me at Noon										"				
Coal consumed during the preceding 24 hours										1	tons	1785	lbs.	
Coal remaining on hand at Noon										129	"	1380	"	
P.M.														
1			E by N	1		29.90	63	65		bd	Nimb	0		
2			"	1		29.88	62	61		"	"	"		
3			"	1		29.87	61	60		"	"	"		
4			"	1		29.86	"	59		"	"	"		
5			SE	1		29.84	"	"		b	"	"		
6			"	2		29.85	"	"		"	"	"		
7			"	"		29.82	"	"		"	"	"		
8			"	"		"	60	"		"	"	"		
9						"	"	"		bd	"	"		
10			Variable			"	"	"		"	"	"		
11						29.80	"	"	"		"	"	"	
Mid.						"	"	"		"	"	"		
Longitude by Chronometer from Afternoon Observations ⊕										°	'	"		
Longitude by Chronometer Observations]										°	'	"		
Variation of the Compass by Amplitude observed at Sunset										°	'	"		
Variation of the Compass by at										°	'	"		

under the command of Commander W. Scott Schley
Monday October 23rd, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Thick fog. Disagreeable. Calm. Rising to flood. Slack water at 3.40. Man from Navy Yard working on high pressure cylinder. Banked fires under two main boilers.

(Signed) Richard G. Davenport
Lieut.

From 4 to 8 A.M. Foggy. Drizzling rain. Calm. Swung to ebb tide at 4.10. Navy Yard workmen onboard repairing engine.

(Signed) J.T. Sullivan
Lieut.

From 8 to Merid. Foggy. Drizzling rain. Light airs from N. and E. Ship swung to flood tide at 10.25. One Navy Yard workman onboard engaged in repairing engine. Distilling with two main boilers. Par.^{gt} Zachman restored to duty by order of Comdg Officer. At 9.30 mustered crew at quarters.

(Signed) Wainwright Kellogg
Lieut.

From Merid. to 4 P.M. Foggy. Drizzling rain. Light E[aster]ly airs. Brought to on Starboard chain. Received stores in Paymaster Department and for Marine Guard.

(Signed) J. T. Sullivan
Lieut.

From 4 to 8 P.M. Weather foggy with light breeze from S. and E. At 4.20 hove up and cleaned starboard anchor. Let go port anchor and veered to 15 fathoms of chain. Distilling with two main boiler. Vinyard pilot came on board.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Midnight. Foggy. Drizzling rain. Light variable airs. Swung to flood tide at 10.30. Stopped distilling at 9.30.

(Signed) J.T. Sullivan
Lieut.

Asa Walker
Lieut.

Examined and found to be correct

Navigator.

Record of the sail the vessel is
under at end of watch.

Hour.	Knots	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
			Direction.	Force.	Leeway.	Height in inches.	Ther. atfd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A.M.														
1			Calm	0		29.78	62	60			b			
2			"	"		29.75	"	"			"			
3			"	"		29.72	"	62			br	Nimb	0	
4			"	"		"	"	"			"	"	"	
5			"	"		"	"	"			"	"	"	
6			"	"		29.70	64	64			"	"	"	
7			NW	1		29.67	"	"			ob	Cum Nimb	"	
8			"	1		29.65	"	"			"	"	"	
9			"	1		29.68	"	"			o	"	"	
10			"	1		29.65	"	63			"	"	"	
11			"	2		29.62	"	62			bc	"	1	
Noon			"	"		"	"	61			"	"	4	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

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Longitude by D. R. at Noon

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Latitude by Observations at Noon ⊕

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Longitude by Chronometer from Forenoon Observations ⊕

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Current during the time	knots	fms. per hour, setting to the
----------------------------	-------	-------------------------------

Variation of the Compass by Amplitude \oplus observed at Sunrise

0 4 00

Variation of the Compass by Azimuth \oplus observed at

0 66 66

Water expended during the preceding 24 hours

gallons.

Water during the preceding 24 hours

66

Water remaining on hand fit for me at Noon

66

Coal consumed during the preceding 24 hours

5 tons 1105 lbs.

Coal remaining on hand at Noon

124 “ 275 “

P,M.

1				NW	1	29.62	64	63		bc	Cir Cum	6	S	
2				"	1	"	"	"		"	"	7	"	
3	7	6	SE by E 3/4 E	"	2	"	62	61		"	"	9	"	
4	9	4	SE by E 3/4 E	"	"	"	"	"		"	"	"	"	
5	1 0	0	Variable	N by W	"	"	63	63		"	"	7	"	Steam
6	4	0	"	NW	"	"	"	"		"	"	"	"	
7	4	0	SE by E 3/4 E	SW	1	"	"	"		"	"	6	"	
8	5	0	"	"	1	29.66	"	"		"	"	8	"	
9	5	6		"	2	29.70	62	60		"	"	"	"	Steam
10	6	0		"	"	"	56	58		"	"	2	"	
11	4	0	Running on Bearings	"	"	29.72	"	56		"	"	5	"	
Mid.	4	0		"	"	"	55	55		"	"	"	"	Stream

Longitude by Chronometer from Afternoon Observations ⊕

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Longitude by Chronometer Observations

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99

Variation of the Compass by Amplitude observed at Sunset

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99

Variation of the Compass by

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99

under the command of Commander W. Scott Schley , U. S. Navy.
Tuesday October 24th, 1876.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. First part of watch thick fog. Latter part foggy with heavy showers of rain. Calm. At 2.15 started fires under all main boilers.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 A.M. Weather rainy and foggy. Clearing in latter part of watch. Barometer falling. High water at 4 o'clock. At 4.30 swung to the flood. At 5.30 Pilot came on board. Light air from NW.

(Signed) J. K. Cogswell
Lieut.

From 8 to Merid. Overcast first part of watch. Clearing weather with N. W[ester]ly airs latter part. Inspected crew at quarters at 9.30. At 10.30 veered to 30 fathoms on port chain. Spread fires at 10.40. At 10.45 brought to our port chain. Turned engine at 11.10. Got under way at 11.30 and stood out of harbor. Pilot on board. Draft of ship, 13 feet 9in forward, 14 feet 7in amidships and 16 feet aft.

(Signed) J.T Sullivan
Lieut.

From Merid. to 4 P.M. At 2.10 Minots Ledge Lighthouse bore (ps [portside]) W. 3/4 N, distant four miles. Put ship on her course. At 1.30 the harbor pilot left the ship. At 2 loosed and made sail to topsails. Furled sail at 4. Temp of bunkers 90°. Steam pressure 78 lbs. Revolutions 54-3. Pleasant weather. Light breeze from N.W. Land in sight (Cape Cod) off starboard beam. At 4 changed course to S.E. by E. 1/4 E.

(Signed) J.K. Cogswell
Lieut.

From 4 to 6 P.M. Clear. Cool. Pleasant. Light N.W. wind. At 5.10 slowed engine, hot bearings. At 5.15 stopped engine. At 5.25 ahead slow. At 5.35 ahead fast. Tem coal bunker 102°. Average steam pressure 78 lbs. At 5.20 Highland Light bore S.W. 1/2 S. Revolutions 4 to 5, 58, 5 to 6, 33. At 5.45 put over patent log. At 5.30 USS "Tallahassee" passed bound for Boston. Highland Light bore (pc) NW at end of watch.

(Signed) Richard G Davenport
Lieut.

From 6 to 8 P.M. Clear pleasant weather. Moonlight. At 6.10 sighted Nausette Light. At 7.45 sighted Chatham Light. At end of watch Nausette Light bore NW by N. Chatham Light SW by S. Lost patent log overboard. Ship steaming slowly on account of hot bearings.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Midnight. Clear and cool. Light S. W[ester]ly airs. Running on bearings to Pollock Rip Light Ship. Moon set at 10 o'clock.

(Signed) J.T. Sullivan
Lieut.

Asa Walker, Lieut.
Navigator.

Examined and found to be correct

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Holmes Hole, Martha's Vinyard.

		WINDS.			BAROMETER.		TEMPERATURE.								Record of the sail the vessel is under at end of watch.
Hour.	Knots.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	
Fathoms.															
A.M.															
1			NW	2		30.76	56	55			bc	Cir Ste	8	8	
2			"	"		"	"	"			"	"	"	"	
3			"	"		"	"	"			"	"	"	"	
4			"	"		"	"	"			"	"	"	"	
5			WSW	"		30.78	"	56			"	Cir Cum	6	"	Banked fires
6	At anchor Holmes Hole		"	"		30.76	"	"			"	"	4		
7			"	"		"	"	"			"	"	3		
8			"	"		"	"	"			"	"	2		
9			"	"		"	"	"			bc	"	6		Banked fires
10			"	3		"	"	"			bcr	Ci Cum Nimb	4		
11			"	4		"	"	"			oqr	"	"		
Noon			"	7		"	"	"			bcq	"	"		
Distance run by Log since preceding Noon															
											knots	fathoms.			
Latitude by D. R. at Noon											o	"	"	"	
Longitude by D. R. at Noon											o	"	"	"	
Latitude by Observations at Noon ⊕											o	"	"	"	
Longitude by Chronometer from Forenoon Observations ⊕											o	"	"	"	
Current during the time											knots	fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊕ observed at Sunrise											o	"	"	"	
Variation of the Compass by Azimuth ⊕ observed at											o	"	"	"	
Water expended during the preceding 24 hours											gallons.				
Water											during the preceding 24 hours				
Water remaining on hand fit for me at Noon															
Coal consumed during the preceding 24 hours											9	tons	1720	lbs.	
Coal remaining on hand at Noon											114	"	795	"	
P.M.															
1		At Anchor	WSW	7		29.74	58	57			bc	Cir Cum	5		
2			"	"		"	60	59			"	"	7		
3		Holmes Hole	"	"		"	61	60			"	"	"		
4			"	"		29.72	62	"			"	"	"		
5			W by S	5-6		29.75	61	"			"	Cum ste	"		
6			"	"		29.80	57	"			"	"	"		
7			WNW	5		29.84	"	57			"	"	"		
8			"	"		29.86	"	"			"	"	"		Steaming
9	6	2	variable	W by N	7	29.90	"	"			oc	"	0	M	
10	6	2	"	"	"	29.92	56	56			"	"	"	"	Steaming
11	7	6	SW by W	WNW	"	29.95	53	53			"	"	"	"	Jib, fore and main
Mid.	6	4	"	"	"	29.96	"	"			"	"	"	"	trysails
Longitude by Chronometer from Afternoon Observations ⊕											o	"	"	"	
Longitude by Chronometer Observations											o	"	"	"	
Variation of the Compass by Amplitude											o	"	"	"	
Variation of the Compass by											o	"	"	"	

under the command of Commander W. Scott Schley , U. S. Navy.

Wednesday October 25th, 1876.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant. Bright starlight. Steaming through Martha's Vinyard Sound under direction of Vinyard pilot. At 3.30 made preparation for coming to anchor in Holmes Hole. Steam pressure 70 lbs. Revolutions 40. Temp Bunkers 95°.

(Signed) J. K. Cogswell
Lieut.

From 4 to 8 A.M. Cloudy. Cool. Pleasant. Light W.S.W. breeze. Cir cum clouds. At 4.25 came to anchor off Holmes Hole, in Vinyard Haven, to enable engineers to change brasses of after crank pin. Banked fires. Let go the port anchor in 8 1/4 fathoms water veering to 30 fathoms on port chain. West chop Light bore (pc) NW by W Hobeka Light bore (pc) NW 3/4 N. Pressure of steam 30 lbs. Temp coal bunker 94°.

(Signed) Richard G Davenport
Lieut.

From 8 to Merid. Weather variable. Clear and pleasant with passing squalls of rain and wind. Fresh breeze from W.S.W. At 9.30 crew at quarters. Engaged in engine room in fitting new bearing for engine. Banked fires.

(Signed) Wainwright Kellogg
Lieut.

From Merid. to 4 P.M. Clear and pleasant. Blowing fresh from W.S.W. Under banked fires.

(Signed) J.T. Sullivan
Lieut.

From 4 to 6 P.M. Clear and cool. Strong breeze from W. by S. Mustered at quarters at 5. Riding to the tide, running strong flood. Barometer rising. Steam pressure 19 lbs.

(Signed) J.K. Cogswell
Lieut.

From 6 to 8 P.M. Cloudy. Cool. Pleasant. Fresh W.N.W. wind. Cir cum clouds. At 6.50 engine reported ready. At 6.55 called all hands up anchor. At 7.10 got underway and steamed out of harbor. Average revolutions 40. Temp coal bunker 100°. Steam pressure 64 lbs. At end of watch Gay Head Light bore (pc) SW by W. Tarpaulin Cove bore (pc) W. Hobeka Light bore (pc) NE 1/4 E. West Chop Light bore (pc) SE by E.

(Signed) Richard G Davenport
Lieut.

From 8 to Midnight. Weather overcast with fresh wind from W. First two hours of watch steaming down Vinyard Sound. At 10, put over patent log and kept away to SW by W. At 10 took departure. Gay Head Light bearing (pc) SE 1/2 E distant four miles. Cuttyhunk Light bearing (pc) N by W. At 10.15 set jib, fore and main trysails. Patent log at end of watch showed 13 1/4 miles. Average number of revolutions during watch 48-8. Steam pressure 70 lbs. Temp in bunker 95°.

(Signed) Wainwright Kellogg
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, At Sea

			WINDS.			BAROMETER.			TEMPERATURE.									Record of the sail the vessel is under at end of watch.
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at't'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.			
A.M.																		
1	6	2	SW by W	WNW	7		29.96	56	53			O	Cum	0	Y	Jib, fore & main		
2	6	2	"	"	6		"	"	"			"	"	"	"	Trysail		
3	6	4	"	"	5		"	54	52			bc	"	2	"	Spanker		
4	7	0	"	"	4		"	52	51			"	"	5	"	Steam		
5	6	4	"	W by N	4		30.02	53	"			"	"	4				
6	6	2	"	"	4		30.04	"	"			"	"	3		Jib, fore top staysails		
7	6	2	"	"	4-5		"	54	"			"	"	2		Trysails & spanker		
8	6	2	"	"	"		30.06	"	"			"	"	"				
9	6	0	"	"	6-5		30.08	"	52			"	"	"		Steam		
10	6	0	"	"	"		"	"	"			"	"	"				
11	5	6	"	"	"		"	53	"			"	"	"				
Noon	4	0	"	"	"		30.09	"	"			"	"	4		Fore trysail		
Distance run by Log since preceding Noon												100 knots		fathoms.				
Latitude by D. R. at Noon												°		'				
Longitude by D. R. at Noon												°		'				
Latitude by Observations at Noon ⊕												°		'				
Longitude by Chronometer from Forenoon Observations ⊕												°		'				
Current during the time												knots		fms. per hour, setting to the				
Variation of the Compass by Amplitude ⊕ observed at Sunrise												°		"				
Variation of the Compass by Azimuth ⊕ observed at												°		"				
Water expended during the preceding 24 hours												gallons.						
Water during the preceding 24 hours												"						
Water remaining on hand fit for me at Noon												"						
Coal consumed during the preceding 24 hours												12	tons	1755	lbs.			
Coal remaining on hand at Noon												101	"	1280	"			
P.M.																		
1	8-3	0	SW by W	W by N	5-6		30.04	53	52			bc	Cum	5	M			
2	6	4	SE by W 1/2 W	"	"		"	"	"			"	"	4	"			
3	7	6	"	"	"		"	"	"			"	"	3	"			
4	8	0	"	"	"		30.08	"	"			"	Cum Nimb	2	"	Steaming		
5	8	4	"	"	"		"	"	51			bcq	"	1	"	Steam & m. trysail		
6	9	0	"	"	"		30.10	52	50			bc	"	1	"			
7	9	4	"	"	6		30.15	"	51			"	"	4	A	F. Top staysail		
8	9	4	"	WNW	"		30.17	"	"			"	"	3	"	Spanker		
9	9	0	SW by W 1/4 W	"	"		30.20	53	53			"	"	3	"	F. Top staysail		
10	8	0	"	"	"		30.22	"	"			"	"	4	"	Main trysail		
11	7	0	"	"	5		30.25	52	51			"	"	4	"	Spanker		
Mid.	8	0	"	"	"		30.26	51	50			"	"	3	"	Steaming		
Longitude by Chronometer from Afternoon Observations ⊕												°		'				
Longitude by Chronometer Observations												°		'				
Variation of the Compass by Amplitude												°		'				
Variation of the Compass by												°		'				

under the command of Commander W. Scott Schley
Thursday October 26th, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast first part of watch. Partly cloudy weather and bright starlight latter part. Set the spanker at 12.30. Made Block Island Light at 12.50 bearing W. At end of watch it bore N. by W. Ship pitching easily into a heavy head sea. Temp coal bunker 85°. Steam pressure 66 lbs. Revolutions 40.

(Signed) J.T. Sullivan
Lieut.

From 4 to 8 A.M. Cool and Cloudy. Fresh breeze from W. by N. Ship steady. Steam pressure 67 lbs. Revolutions 41. Temp coal bunker 75°.

(Signed) J.K. Cogswell
Lieut.

From 8 to Merid. Cloudy. Cool. Pleasant. Fresh W. by N. wind, and cum clouds. At 9 exchanged colors with pilot boat no. 11. At 9.30 mustered and inspected at quarters. Division exercise as follows, 1st Div. Cast loose, 2nd Div. Cast loose. Powder Div Stationed. Marine small arms. At 10.55 stopped engine to key up brasses of after crank. At 11.10 started ahead. Average steam pressure 75 lbs. Revolutions 45 1/2. Temp coal bunkers 78°.

(Signed) Richard G Davenport
Lieut.

From Merid. to 4 P.M. Weather clear and pleasant with fresh W. by N. breeze. At 12.25 changed course to SW by W 1/2 W. Hauled in patent log, showed 84 miles, reset it. At 12.30 took in all fore and aft sail. Detailed John Williams (B) and Chester Owens (B) for duty in fire room. At end of watch patent log showed 24 miles. Average number of revolutions for watch 50. Steam pressure 70 lbs. Temp coal bunker 95°.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 6 P.M. Cloudy and squally first part of watch. Clearing latter part. Wind fresh from the W. Set main trysail at 5 o'clock. Temp of coal bunkers 95°. Revolutions 53. Steam pressure 67 lbs.

(Signed) J. T. Sullivan
Lieut.

From 6 to 8 P.M. Cloudy and cool. Strong breeze from N. by W. freshening. Barometer rising. At 6.30 set fore and aft sail. Furled jib at 7. Ship steady, sea rough. Steam pressure 66 lbs. Revolutions 55.

(Signed) J.K. Cogswell
Lieut.

From 8 to Midnight. Cloudy. Cool. Fresh W.N.W. wind. Cum Nimb clouds. At 8 changed course to S.W. by W. 3/4 W. Reset patent log and put it over. At 12 hauled in patent log which showed 30 miles, put it over again. Passed a schooner bound to the S. and W. Average steam pressure 55 lbs. Temp of coal bunkers 93°. Revolutions 46-3.

(Signed) Richard G Davenport, Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, At Sea

Hour.	K not s.	Fathoms.	WINDS.			BAROMETER.			TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prog. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1	4		SW by w 3/4 W	WNW	5- 6		30.27	52	50			bc	Cum	2		Fore topmast
2	6		"	"	"		30.28	"	49			"	"	"		Staysail, main
3	8		"	"	"		30.30	50	48			"	"	5		Trysail & Spanker
4	7	4	"	"	"		"	"	"			"	"	4		Steaming
5	6	4	"	NW	"		30.34	"	"			"	"	6		
6	6	2	"	"	"		30.36	"	"			"	"	"		
7	3	4	" WSW 1/4 W	"	"		30.38	49	"			"	"	5		
8	6	0	"	"	"		30.40	"	"			"	"	"		
9	6	4	WNW	"	5		30.42	50	50			"	"	"		
10	6	2	NW by W	"	"		30.43	51	"			"	"	3		
11	6	2	N	"	"		"	"	"			"	"	2		
Noon	6	4	" N by W	"	"		"	"	"			"	"	"		

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	0	"
Longitude by D. R. at Noon	0	"
Latitude by Observations at Noon ⊕	0	"
Longitude by Chronometer from Forenoon Observations ⊕	0	"
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ⊕ observed at Sunrise	0	"
Variation of the Compass by Azimuth ⊕ observed at	0	"
Water expended during the preceding 24 hours		gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for me at Noon		"
Coal consumed during the preceding 24 hours	17 tons	2120 lbs.
Coal remaining on hand at Noon	83	1600

P.M.																
1			N by W	NW by N	5		30.42	51	51			bc	Cir Cum	8	3	Steam
2			variable	"	"		"	"	"			"	"	9	"	
3			"	"	"		"	"	"			"	"	"	"	
4			"	"	"		"	"	"			"	"	"	"	
5			"	NW by W	4		"	"	"			"	"	"	"	
6			"	"	2		"	"	"			"	"	"	"	
7			"	"	"		"	52	52			"	Cir	"	"	Steam
8				"	1		30.44	54	53			"	"	"	"	
9				NW	"		30.43	51	51			"	Cir Cum	8		
10				"	"		"	50	48			"	"	7		
11				"	"		"	"	"			"	"	"		
Mid.				"	"		"	"	"			"	"	"		

Longitude by Chronometer from Afternoon Observations ⊕	0	"
Longitude by Chronometer Observations]	0	"
Variation of the Compass by Amplitude observed at Sunset	0	"
Variation of the Compass by at	0	"

under the command of Commander W. Scott Schley
Friday October 27th, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather clear and pleasant with fresh W.N.W. wind. Moon set at 12.45. At 12 got a heave with deep sea lead, sand bottom at 20 fathoms. At 2 got a ~~heave with~~ cast a deep sea lead, sandy bottom at 25 fathoms. At 4, got another heave, sandy bottom at 22 fathoms. Detailed W.P. Bruman (B) for duty in fire room. Patent log at end of watch showed 55 1/4 miles.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 A.M. AM. Clear and cool. Wind fresh from the N. and W. At 6 o'clock got a cast of the lead in 23 fathoms of water, bottom white sand, black specks. At 7.50 stopped engines to allow bearings to cool, and at same time got a cast of the lead in 18 fathoms of water, bottom white sand black specks. Revolutions 48. Steam pressure 68 lbs. Temp coal bunkers 90°.

(Signed) J. T. Sullivan
Lieut.

From 8 to Merid. Cool and cloudy. Fresh N.W. breeze. At 9.15 sighted land and Fennrock Light bearing (pc) W. Got soundings every hour from 9 AM in 17-18 and 10 fathoms. At 10.45 sighted Cape Henlopen Light, bearing (pc) N.N.W. At end of watch Cape Henlopen Light bore (pc) N.W. distant about 7 miles. Revolutions 51. Steam pressure 69 lbs. Gave Wm. T Brennan (B) one hour extra lookout, by order of Cmdg Officer for being noisy on berth deck.

(Signed) J.K. Cogswell
Lieut.

From Merid. to 4 P.M. Clear. Cold. Pleasant. Fresh N.W. by W. wind. Cir cum clouds. At 12.55 stopped engine. At 1 Delaware Pilot came on board. At 1.05 started ahead four bells. Flood tide. Average steam pressure 68 lbs. Average revolutions 57. Temp coal bunker 97°.

(Signed) Richard G Davenport
Lieut.

From 4 to 6 P.M. Weather clear and pleasant with fresh breeze from N and W. Steaming up Delaware Bay.

(Signed) Wainwright Kellogg
Lieut.

From 6 to 8 P.M. Clear and pleasant. Light N.W[ester]ly airs. Anchored at 6.55 in the Delaware River. Came to with port anchor in 7 fathoms of water, veering to 30 fathoms chain. Banked fires and commenced distilling. Bearings at anchor: Pea Patch N 1/2 W, Reedy Island Light SW 1/2 S.

(Signed) John T. Sullivan
Lieut.

From 8 to Midnight. Clear and cool. Bright moonlight. Ship swung to the ebb tide at 9.40. Average steam pressure 20 lbs. Temp coal bunker 85°.

(Signed) J.K. Cogswell
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns,
Steaming up Delaware River

Hour.	K n o t s. Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fifts.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.															
1		At Anchor	Calm	0		30.43	48	45			bc	Cir Cum	9		
2			S	1		"	"	"			"	"	8		
3			"	2		"	"	"			"	"	7		
4			"	"		30.45	"	"			"	"	10		
5			NE	1		30.43	"	"			"	"	8		
6			"	2		30.42	"	"			oc	Cir Nimb	0		
7		Var.	"	"	30.40	"	"			"	"	"			
8		"	"	"	"	"	"			"	"	"		Steaming	
9		"	"	"	"	54	46			"	"	"			
10		At anchor	"	1		30.38	52	48			"	"	"		
11			"	"		30.34	53	49			or	"	"		
Noon			"	"		"	54	50			"	"	"		

Distance run by Log since preceding Noon	knots	fathoms.		
Latitude by D. R. at Noon	0	1		"
Longitude by D. R. at Noon	0	1		"
Latitude by Observations at Noon ⊕	0	1		"
Longitude by Chronometer from Forenoon Observations ⊕	0	1		"
Current during the time	knots	fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊕ observed at Sunrise	0		"	"
Variation of the Compass by Azimuth ⊕ observed at	0		"	"
Water expended during the preceding 24 hours				gallons.
Water	during the preceding 24 hours			"
Water remaining on hand fit for me at Noon				"
Coal consumed during the preceding 24 hours	10	tons	1600	lbs.
Coal remaining on hand at Noon	72	"	2040	"

P.M.									
1		NE	2	30.20	52	51	oc	Nimb	0
2		"	"	30.23	"	49	"	"	"
3	Moored	"	"	30.20	"	"	"	"	"
4		"	"	30.18	"	"	"	"	"
5		"	"	"	"	"	"	"	"
6		NNE	"	"	"	"	"	"	"
7		"	"	"	51	"	"	"	"
8		"	"	"	"	"	or	"	"
9		"	"	30.20	54	50	"	"	"
10		"	1	"	"	"	"	"	"
11		"	1	"	"	"	od	"	"
Mid.		"	1	"	"	"	"	"	"

Longitude by Chronometer from Afternoon Observations	⊕	⊖	⊕
Longitude by Chronometer Observations	⊖	⊖	⊖
Variation of the Compass by Amplitude	⊖	⊖	⊖
observed at Sunset			
Variation of the Compass by	⊖	⊖	⊖
at			

under the command of Commander W. Scott Schley
Saturday October 28th, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear. Cool. Pleasant. Light S[outher]ly breeze. Cir cum clouds. Bright moonlight until 2.20 when star set. Average steam pressure 12 3/4 lbs. Temp coal bunker 78°. Rising to ebb. Slack water at 3.40.

(Signed) Richard G Davenport
Lieut.

From 4 to 8 A.M. Weather overcast with very light rain. At 5 spread fires. At 6 hove up anchor, got underway and steamed up the river. At 7.15 passed Newcastle. At 7.45 passed Wilmington. Tide changed flood at 4.40. Temp of bunker 76°. Average steam pressure 52 1/2 lbs. Revolutions 42.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Merid. Overcast and raw. Rain latter hour of watch. Steaming up the Delaware. At 9.05 came to anchor off League Island Navy Yard in 7 fathoms of water veering to 20 fathoms on port chain. Draft of water forward 13 feet 6 in. Amidships 14 feet 3 in. Aft 15 feet 3 in. Swung to the ebb tide at 11.30. Banked fires at 11 o'clock.

(Signed) J.T. Sullivan
Lieut.

From Merid. to 4 P.M. Weather overcast. Light N. E[aster]ly breeze. At 12.40 got underway and steamed up the river. At 1.30 made number, "Potomac" answered and made her numbers. At 2 made interrogatory 1211. "Plymouth" answered 904. At 2.30 came to anchor in 7 fathoms of water, veering to 30 fathoms on port chain off Arch Pt Philadelphia. At 2.45 the commander made an official visit to the "Plymouth". Ships draft 13 feet 6 in forward, 14 feet 6 in amidships, 15 feet 6 in aft. Revolutions 40. Steam pressure 70 lbs.

(Signed) J. K. Cogswell
Lieut.

From 4 to 8 P.M. Overcast. Light N. E[aster]ly airs. Moored ship NNE and SSW 45 fathoms on each chain. Swung to the flood tide at 6/30; ship swinging to port. Clear hawse.

(Signed) J.T. Sullivan
Lieut.

From 8 to Midnight. Overcast and rainy. Light airs from N and E. Swung to the ebb tide at 11.30. Distilling. Clear hawser.

(Signed) J.K. Cogswell
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Off Philadelphia Pa.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prog. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.															
1			NNE	2		30.20		51			0	Nimb	0		
2			"	"		30.20		51			"	"	"		
3			"	"		"		"			"	"	"		
4			"	"		"		"			"	"	"		
5			"	"		"		49			"	"	"		
6			"	3		30.21	51	50			"	"	"		
7			"	"		30.22	"	"			"	"	"		
8			E	4		30.25	"	51			bc	Cum Nimb	1		
9			"	2		30.26	52	"			"	Cir Str	3		
10			"	"		30.25	54	45			"	"	5		
11			"	"		"	55	"			"	"	8		
Noon			"	"		"	"	"			"	"	"		

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	0	"
Longitude by D. R. at Noon	0	"
Latitude by Observations at Noon ⊕	0	"
Longitude by Chronometer from Forenoon Observations ⊕	0	"
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ⊕ observed at Sunrise	0	"
Variation of the Compass by Azimuth ⊕ observed at	0	"
Water expended during the preceding 24 hours		gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for me at Noon		"
Coal consumed during the preceding 24 hours	2 tons	560 lbs.
Coal remaining on hand at Noon	70 "	1480 "

P.M.															
1			N	2		30.22	55	55			bc	Cir Str	9		
2			"	"		"	56	56			"	"	"		
3			"	"		"	57	57			"	"	"		
4			"	"		"	"	"			"	"	"		
5			E	1		30.24	55	54			"	"	8		
6			"	"		30.25	"	"			"	"	"		
7			"	"		30.28	"	"			"	"	"		
8			"	"		"	"	"			"	"	"		
9			N	"		30.30	"	"			"	Cir	9		
10			"	"		"	54	53			"	"	"		
11			"	"		"	52	51			b	"	10		
Mid.			"	"		"	51	50			"	"	"		

Longitude by Chronometer from Afternoon Observations ⊕	0	"	"
Longitude by Chronometer Observations]	0	"	"
Variation of the Compass by Amplitude observed at Sunset	0	"	"
Variation of the Compass by at	0	"	"

under the command of Commander W. Scott Schley
Sunday October 29th, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast and rainy. Light airs from the N. and E. Rising to ebb tide. Clear hawse.

(Signed) J. T. Sullivan
Lieut.

From 4 to 8 A.M. Overcast. Cool. Disagreeable. Moderate N.N.E. wind. Cum Nimb clouds. Slack water at 6.35. At 6.55 swung to flood tide. Clear hawse. Banked fires under two main boilers. Distilling. Temp coal bunkers 63°.

(Signed) Richard G Davenport,
Lieut.

From 8 to Merid. Clear and cool. Light E[aster]ly breeze. Tide turned ebb at 11.45. At 10 inspected at quarters. First liberty party ashore to remain until sunset. Clear hawser.

(Signed) J. K. Cogswell
Lieut.

From Merid. to 4 P.M. Clear. Cool. Pleasant. Light N[orther]ly breeze. Cir str clouds. At 12.30 swung to ebb tide. Clear hawser. Henry Piccoli (2nd C.B.) was discharged from this ship and the US Naval service, at his own request. Michael Riley (1st C.F.) and James Bryson (1st C.B.) were transferred to the USS "Potomac" to be sent to the U.S. Hospital. Banked fires under two main boilers. Distilling. Temp coal bunker 79°.

(Signed) Richard G. Davenport
Lieut.

From 4 to 8 P.M. Pleasant weather. Light airs from E. Bright moonlight. At 4.30 signaled interrogatory 5040. "Plymouth" answered 905. John Gabel (B) left the 2nd cutter without permission while ashore on duty. Rising to flood. Mustered at quarters and served out clean hammocks. Cadet Engineer A. T. Stivers left the ship, granted three days leave.

(Signed) J. K. Cogswell
Lieut.

From 8 to Midnight. Clear. Cool. Pleasant. Bright moonlight. Light N[orther]ly breeze. Rising to flood tide. Clear hawser. Banked fires under two main boilers. Distilling. Temp coal bunker 71°.

(Signed) Richard G. Davenport
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns,
Off Philadelphia, Pa.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1				Calm			30.30	48	46			bc	Cir Cum	9		
2				"			"	"	"			"	"	"		
3				"			"	"	"			"	"	"		
4				"			"	"	"			"	"	"		
5				NE			30.32	"	"			"	"	"		
6				"			30.34	"	48			"	"	"		
7				"			30.36	"	"			"	"	4		
8				"			30.38	"	"			"	"	2		
9			2	"			"	50	50			"	"	9		
10				"	"		"	52	53			"	"	"		
11				"	"		"	55	57			"	"	"		
Noon				"	"		"	57	59			"	"	"		

Distance run by Log since preceding Noon	knots	fathoms.		
Latitude by D. R. at Noon	0	1	"	
Longitude by D. R. at Noon	0	1	"	
Latitude by Observations at Noon ⊕	0	1	"	
Longitude by Chronometer from Forenoon Observations ⊕	0	1	"	
Current during the time	knots	fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊕ observed at Sunrise	0	"	"	
Variation of the Compass by Azimuth ⊕ observed at	0	"	"	
Water expended during the preceding 24 hours				gallons.
Water during the preceding 24 hours				"
Water remaining on hand fit for me at Noon				"
Coal consumed during the preceding 24 hours		tons	1805	lbs.
Coal remaining on hand at Noon	69	"	1915	"

P.M.								
1	N	1	30.33	57	57		bc	Cir Cum
2	"	"	"	"	59		"	"
3	S	"	"	59	"		"	"
4	SW	"	"	"	"		"	"
5	"	2	"	"	57		"	"
6	"	"	30.34	"	56		"	8
7	"	"	30.36	56	"		"	"
8	"	"	30.37	59	55		"	"
9	"	"	30.36	"	"		"	"
10	"	"	"	"	"		"	"
11	"	"	"	"	"		"	"
Mid.	"	"	"	"	"		"	"

Longitude by Chronometer from Afternoon Observations \oplus		0	1	"
Longitude by Chronometer Observations	]	0	1	"
Variation of the Compass by Amplitude	observed at Sunset	0	1	"
Variation of the Compass by	at	0	1	"

under the command of Commander W. Scott Schley
Monday October 30th, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and calm. Bright moonlight. Swung to ebb tide at 12.30.
Moon set at 3.45. Clear hawse.

(Signed) J. K. Cogswell
Lieut.

From 4 to 8 A.M. Weather clear and pleasant with light N.E. wind. At 7.20 swung to flood tide.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Merid. Clear. Cool. Pleasant. Light N.E. wind. Cir cum clouds. Riding to flood tide.
Clear hawse. Banked fires under two main boilers. Distilling. Temp coal bunker 68°. At 9.30
mustered, and inspected crew at quarters. Cork Jones, John Mahoney (2nd C.B.) John Gabel
(2nd C.B.) and Andrew McGarvey (1st C.F.) absent without leave. Comdr H.A. Adams USN. Paid
an official visit to the ship. An ash scow was brought off by Harbor Authorities.

(Signed) Richard G. Davenport
Lieut.

From Merid. to 4 P.M. Weather clear and pleasant with light variable airs. At 4.10 ship swung to
the ebb tide. At 3.30 furled sail. Broke out spare bower anchor and got it over the port bow.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 P.M. At 4.53 S.O. ship made signal No 1078. Cloudy. Cool. Pleasant. Light S.W.
breeze, cir cum clouds. At 5.30 mustered crew at quarters. At 7.20 slack water. At 7.50 swung
to flood tide. Clear hawse. By order of Comdg. Officer Wm. White (2nd C.B.) was given four days
extra duty for disobeying orders. Harry Hill (2nd C.B.) Robt. McGuckin (2nd C.B.) Tho C. Purty
(AS 2nd C) Wm. White (2nd C.B) and George W. Kaleu (2nd C.B) were given four hours extra duty
for defacing paint work. Banked fires under two main boilers. Distilling. Temp coal bunkers 66°.

(Signed) Richard G. Davenport
Lieut.

From 8 to Midnight. Weather clear and pleasant with light airs from S and W. At 8 swung to
flood tide. Distilling with two main boilers. Clear hawse at end of watch. Temp coal bunkers 68°.

(Signed) Wainwright Kellogg
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Off Philadelphia, Pa.

Hour.	Knots.	Fathoms.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prog. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A.M.														
1			Calm	0		30.36	57	55			0	Nimb	0	
2			"	"		"	"	"			"	"	"	
3			"	"		"	"	"			or	"	"	
4			"	"		"	56	"			"	"	"	
5			S	2		"	55	54			oc	"	"	
6			"	"		"	"	"			"	"	"	
7			"	"		30.34	"	"			"	"	"	
8			"	"		"	"	"			"	"	"	
9			"	3		30.33	57	57			"	"	"	
10			"	"		"	"	"			"	Nimb Cum	"	
11			"	"		30.29	"	"			"	"	"	
Noon			"	"		30.30	"	"			"	"	"	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	o	'	"
Longitude by D. R. at Noon	o	'	"
Latitude by Observations at Noon ⊕	o	'	"
Longitude by Chronometer from Forenoon Observations ⊕	o	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ⊕ observed at Sunrise	o	"	"
Variation of the Compass by Azimuth ⊕ observed at	o	"	"
Water expended during the preceding 24 hours		gallons.	
Water during the preceding 24 hours		"	
Water remaining on hand fit for me at Noon		"	
Coal consumed during the preceding 24 hours	tons	965	lbs.
Coal remaining on hand at Noon	69	"	950

P.M.														
1			W	3		30.26	59	58			oc	Nimb	0	
2			"	"		30.25	"	"			"	"	"	
3			"	"		"	"	"			"	"	"	
4			"	"		30.24	"	"			"	"	"	
5			SW	"		"	"	"			"	Cir Nimb	"	
6			"	"		"	57	57			"	"	"	
7			"	"		"	"	"			"	"	"	
8			"	"		"	"	"			"	"	"	
9			"	"		"	"	"			"	"	"	
10			"	"		"	58	56			"	"	"	
11			"	"		"	"	"			"	"	"	
Mid.			"	"		30.22	59	"			"	"	"	

Longitude by Chronometer from Afternoon Observations ⊕	o	'	"
Longitude by Chronometer Observations]	o	'	"
Variation of the Compass by Amplitude observed at Sunset	o	'	"
Variation of the Compass by at	o	'	"

under the command of Commander W. Scott Schley , U. S. Navy.
Tuesday October 31st, 1876.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast. Rainy. Disagreeable. Nimb clouds. At 1.20 slack water. Swung to ebb tide at 1.40. Clear hawse. Banked fires under to [two] main boilers. Distilling. Temp coal bunker 71°.

(Signed) Richard G. Davenport
Lieut.

From 4 to 8 A.M. Overcast with light drizzling rain. Riding to the ebb tide. Clear hawse.

(Signed) J. K. Cogswell
Lieut.

From 8 to Merid. Weather overcast and pleasant with light airs from S. Riding to flood tide during watch. Clear hawse at end of watch. Temp of coal bunkers 77°. Distilling with two main boilers.

(Signed) Wainwright Kellogg
Lieut.

From Merid. to 4 P.M. Weather overcast. Light breeze from W. At 2 swung to the ebb tide. Cross in hawse, port chain on top. Temp coal bunkers 70°. Steam pressure 29 lbs.

(Signed) J. K. Cogswell
Lieut.

From 4 to 8 P.M. Weather overcast and pleasant with light breeze from S. and W. Cross in hawse and end of watch. Temp coal bunkers 71°. Distilling with two main boilers.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Midnight. Overcast. Light S.W[ester]ly airs. Swung to flood tide at 8.45. Ship swinging to starboard. Clear hawse.

(Signed) J. T. Sullivan
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Off Philadelphia Pa

Hour.	Knots.	Fathoms.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prog. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A.M.														
1			Calm	0		30.24	53	53			bc M	Cir Cum	5	
2			"	"		"	"	"			"	"	"	
3			"	"		"	"	52			"	"	6	
4			"	"		"	"	"			"	"	"	
5			"	"		30.25	55	"			ob	Nimb"	0	
6			"	"		"	57	56			"	"	"	
7			"	"		"	"	57			"	"	1	
8			"	"		"	60	"			"	"	8	
9			SSE	1		30.20	62	58			Cum	Cum	"	
10			"	"		"	64	61			"	"	"	
11			"	2		30.16	"	63			"	"	"	
Noon			"	"		30.14	66	65			"	"	"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	' "
Longitude by D. R. at Noon	°	' "
Latitude by Observations at Noon ⊕	°	' "
Longitude by Chronometer from Forenoon Observations ⊕	°	' "
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ⊕ observed at Sunrise	°	" "
Variation of the Compass by Azimuth ⊕ observed at	°	" "
Water expended during the preceding 24 hours		gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for me at Noon		"
Coal consumed during the preceding 24 hours	tons	1250 lbs.
Coal remaining on hand at Noon	68	" 1940 "

P.M.														
1			S	2		30.07	71	70			bc	Str	8	
2			SW	"		30.06	72	74			"	"	9	
3			"	"		30.03	74	75			"	"	"	
4			"	"		"	"	"			"	"	"	
5			"	1		30.02	"	"			"	"	"	
6			"	"		"	72	72			"	"	8	
7			"	"		"	70	69			"	"	9	
8			"	"		30.00	68	67			"	"	"	
9			Calm	0		30.03	64	63			"	Cir Str	"	
10			"	"		"	61	61			"	"	"	
11			"	"		"	"	60			"	Cir Cum	5	
Mid.			"	"		"	"	"			"	"	"	

Longitude by Chronometer from Afternoon Observations ⊕	°	' "
Longitude by Chronometer Observations]	°	' "
Variation of the Compass by Amplitude observed at Sunset	°	' "
Variation of the Compass by at	°	' "

under the command of Commander W. Scott Schley
Wednesday November 1st, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather pleasant, misty, calm. Slack water at 1 o'clock. Swung to ebb tide at 1.30. Cross in hawse at end of watch. Temp coal bunker 81°.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 A.M. Thick fog. Clearing in latter part of watch. Riding to ebb tide. Slack water at 8. Cross in hawse, starboard chain on top.

(Signed) J.K. Cogswell
Lieut.

From 8 to Merid. Weather warm and hazy. Light S.E[aster]ly airs. Inspected crew at quarters. Ship swung to port to the flood tide at 8.30. Elbow in hawse. George R. Wilson (2nd C.F.) was rated 1st C.F. by order of Comdg Officer, upon recommendation of Chief Engineer.

(Signed) J. T. Sullivan.

From Merid. to 4 P.M. Weather warm and pleasant. Light breeze from the S. and W. Clear hawse. Put on mooring swivel. Swung to ebb tie at 2. Temp of coal bunker 70°. Steam pressure 25 lbs.

(Signed) J.K. Cogswell
Lieut.

From 4 to 8 P.M. Clear and pleasant. Light S.W[ester]ly airs. Riding to the ebb tide. Mustered crew at quarters.

(Signed) J. T. Sullivan
Lieut.

From 8 to Midnight. Mild pleasant weather. Calm. Bright moonlight. Swung to flood tide at 8.30.

(Signed) J. F. Cogswell
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns,
Off Philadelphia Pa.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.						
A.M.																
1				SW	1		30.00	60	59			b	Cir Cum	10		
2				"	"		"	"	"			"	"	"		
3				"	"		"	"	"			"	"	"		
4				"	"		"	"	"			"	"	"		
5				"	"		"	"	"			bm	"	"		
6				"	"		"	"	"			"	"	"		
7				"	"		29.99	61	60			"	"	"		
8				"	"		"	62	61			"	"	"		
9				"	2		29.96	68	68			bc	"	7		
10				"	"		29.92	70	72			"	"	8		
11				"	"		29.92	"	"			"	"	"		
Noon				"	"		"	"	"			"	"	"		

Distance run by Log since preceding Noon	knots	fathoms.		
Latitude by D. R. at Noon	0	1	"	
Longitude by D. R. at Noon	0	1	"	
Latitude by Observations at Noon ⊕	0	1	"	
Longitude by Chronometer from Forenoon Observations ⊕	0	1	"	
Current during the	knots	fms. per hour, setting to the		
time				
Variation of the Compass by Amplitude ⊕ observed at Sunrise	0	"	"	
Variation of the Compass by Azimuth ⊕ observed at	0	"	"	
Water expended during the preceding 24 hours			gallons.	
Water	during the preceding 24 hours		"	
Water remaining on hand fit for me at Noon			"	
Coal consumed during the preceding 24 hours	tons	1920	lbs.	
Coal remaining on hand at Noon	68	"	20	"

P.M.								
1	SW	2	29.36	72	72	bcm	Cir Cum	7
2	"	2-4	29.87	74	74	"	"	"
3	"	1-5	29.75	75	75	bm	"	"
4	"	"	29.68	77	77	bcm	"	"
5	SSW	"	"	74	75	"	"	5
6	"	"	"	73	74	"	"	2
7	"	"	29.72	71	72	"	Cir Nimb	1
8	"	"	29.70	70	71	"	"	"
9	"	"	"	"	70	"	"	"
10	"	"	"	"	"	"	"	"
11	"	"	"	"	"	"	"	"
Mid.	"	"	"	"	"	"	"	"

Longitude by Chronometer from Afternoon Observations \oplus	0	'	"
Longitude by Chronometer Observations]	0	'	"
Variation of the Compass by Amplitude observed at Sunset	0	'	"
Variation of the Compass by at	0	'	"

under the command of Commander W. Scott Schley
Thursday November 2nd, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant. Light S. W[ester]ly airs. Swung to the ebb at 3 o'clock.

(Signed) J. T. Sullivan
Lieut.

From 4 to 8 A.M. Clear. Cool. Pleasant. Misty. Light S.W. breeze. Riding to ebb. Steam in two main boilers. Distilling. Temp of coal bunker 70°. Steam pressure 25 lbs.

(Signed) Richard G. Davenport
Lieut.

From 8 to Merid. Warm and pleasant. Light S.W. breeze. Riding to flood. Inspected at quarters at 9.30. David Dalton (S.C) Benj Flynn (P.M.) J.T. Mahoney, (B) John Gabel (B) were about, having remained ashore over liberty. Edward Moran (B) J.V. Marion (B) left the 2nd cutter without permission while ashore on duty. A number of Centennial visitors visited the ship. Sent a liberty party of boys to the exposition. Gave Private Buckley one extra post, by order of Comdg Officer, for lounging on duty.

(Signed) J. K Cogswell
Lieut.

From Merid. to 4 P.M. Clear. Warm. Pleasant. Blowing in fresh puffs from S.W. Slack water at 3. Swung to the ebb at 3.45. Steam on two boilers. Distilling. Temp coal bunkers 70°.

(Signed) Richard G. Davenport
Lieut.

From 4 to 8 P.M. Cloudy. Warm. Squally. Wind from S and W. Mustered crew at quarters. David Dalton (S.C.) P.H. Emmond (B) Robt McGuckin (B) James B. Stanley (B) R.P. Wilkins (B) were reported absent without leave.

(Signed) J.T. Sullivan
Lieut.

From 8 to Midnight. Pleasant. Squally from S.W. Cir cum clouds. Obscured moonlight. Slack water at 9.50. Swung to flood at 10.45. Steam on two boilers. Distilling. Temp coal bunkers 75°.

(Signed) Richard G. Davenport
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns,
Off Philadelphia Pa.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fifts.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.						
A.M.																
1				SSW	1-5	29.72	68	68				obc	Cum Nimb	0		
2				"	"	"	"	"				"	"	"		
3				"	"	"	"	"				"	"	"		
4				"	"	"	"	"				"	"	"		
5				WNW	5	29.74	64	64				org	"	"		
6				"	"	29.76	60	60				bc	"	1		
7				"	"	29.80	"	"				"	"	3		
8				"	"	29.84	"	61				"	"	"		
9				"	"	29.85	"	"				bqr	"	0		
10				NW	"	"	"	62				"	"	1		
11				"	"	29.87	"	63				bc	"	2		
Noon				"	"	29.88	63	"				"	"	4		

Distance run by Log since preceding Noon	knots	fathoms.		
Latitude by D. R. at Noon	0	1	"	
Longitude by D. R. at Noon	0	1	"	
Latitude by Observations at Noon ⊕	0	1	"	
Longitude by Chronometer from Forenoon Observations ⊕	0	1	"	
Current during the	knots	fms. per hour, setting to the		
time				
Variation of the Compass by Amplitude ⊕ observed at Sunrise	0	"	"	
Variation of the Compass by Azimuth ⊕ observed at	0	"	"	
Water expended during the preceding 24 hours			gallons.	
Water	during the preceding 24 hours		"	
Water remaining on hand fit for me at Noon			"	
Coal consumed during the preceding 24 hours	1	tons	240	lbs.
Coal remaining on hand at Noon	151	"	2020	"

P.M.							
1	SW	5	30.88	63	63	bc	Cir Cum
2	"	"	30.90	"	"	"	"
3	"	"	30.94	"	"	"	"
4	"	3	30.96	"	"	"	"
5	"	2	30.30	"	"	b	"
6	"	"	"	62	62	"	"
7	"	"	30.02	60	60	"	"
8	W by N	"	30.04	59	59	"	"
9	"	1	30.06	58	58	bc	Cir
10	"	"	"	56	55	"	"
11	"	"	30.10	55	52	"	"
Mid.	"	"	30.14	"	51	"	"

Longitude by Chronometer from Afternoon Observations \oplus	0	'	"
Longitude by Chronometer Observations]	0	'	"
Variation of the Compass by Amplitude observed at Sunset	0	'	"
Variation of the Compass by at	0	'	"

under the command of Commander W. Scott Schley
Friday November 3rd, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast. Passing showers. Wind from S and W. Squally. Swung to the ebb tide at 3.30.

(Signed) J.T. Sullivan.

From 4 to 8 A.M. First leave of watch, weather overcast, raining and squally. Rest of watch, clear and pleasant with fresh breeze from N. and W. Riding to the ebb during watch. Received on board in Pay Department 165 lbs fresh beef and 130 lbs of vegetables. Temp of coal bunkers 84°. Lieut. Commdr Schouler returned from leave. Two lighters, said to contain 80 tons of coal, came alongside.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Merid. Cloudy. Cool. Pleasant. Moderate N.W. wind, cum nimb clouds. At 8.50 "Plymouth" made Prep signal 5455. At 8.55 signal 5455. At 9 loosed sail. At 9.15 commenced coaling ship. At 9.50 slack water. At 10.15 swung to flood. Steam on two boilers. Distilling. Temp coal bunker 78°. Received in Equipment Department about 29 tons of coal. David Dalton (S.G.) returned from liberty.

(Signed) Richard G Davenport
Lieut.

From Merid. to 4 P.M. Weather clean and pleasant with fresh breeze from S and W. Coaling ship. Slack water at 3.20. Ship swung to ebb at 3.45. Received in Equipment Department about 41 tons of coal during watch.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 P.M. Clear. Cool. Pleasant. Light N. W. breeze. Finished coaling ship. Received in Equipment Department about 15 tons of coal. Making in all about 85 tons. Tug towed barge away. By order of Comdg Officer Michael Maugau (2nd C.B) was given four hours extra duty for disobedience of orders as coxswain of boat. Harry Hill (2nd C.B) and A.T. Leigh (2nd C.A.) four hours extra duty for going below. T.D. Talmage (2nd C.B) and A. T. Leigh (2nd C.A.) five days extra duty for disobedience of orders of Capt. Top. ~~disobedience of orders of Capt. Top~~ shirking. Steam on two boilers. Distilling. Temp coal bunkers 75°. Rising to the ebb tide. F. S. Handley received four days extra duty for disobedience of orders of Capt of Top.

(Signed) Richard G Davenport
Lieut.

From 8 to Midnight. Weather clear and pleasant with light breeze from the W. Slack water at 10.30. Swung to flood tide at 11 o'clock. Moonlight.

(Signed) Wainwright Kellogg
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Off Philadelphia Pa.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A.M.															
1				NW	2		30.74	51	50					10	
2				"	"		"	"	49					"	
3				"	"		30.15	"	"					"	
4				"	"		30.16	"	"					"	
5				"	"		30.20	"	"					"	
6				"	"		30.24	50	"					"	
7				"	3		30.28	"	"					"	
8				"	"		30.30	"	50					"	
9				"	4		"	"	52			bc	Cum	9	
10				"	"		"	54	57			"	"	"	
11				"	"		"	55	"			"	"	"	
Noon				"	"		"	57	"			"	"	"	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	o	'	"
Longitude by D. R. at Noon	o	'	"
Latitude by Observations at Noon ⊕	o	'	"
Longitude by Chronometer from Forenoon Observations ⊕	o	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ⊕ observed at Sunrise	o	"	"
Variation of the Compass by Azimuth ⊕ observed at	o	"	"
Water expended during the preceding 24 hours		gallons.	
Water during the preceding 24 hours		"	
Water remaining on hand fit for me at Noon		"	
Coal consumed during the preceding 24 hours	tons	1800	lbs.
Coal remaining on hand at Noon	151	"	220

P.M.															
1				NW	4		30.28	60	59			bc	Cir	9	
2				"	3		"	62	61			"	"	8	
3				"	"		30.26	64	63			"	"	"	
4				"	2		"	"	"			"	"	9	
5				NW by W	3		30.28	"	60			"	Cir Cum	"	
6				"	"		30.31	61	55			"	"	"	
7				"	2		30.32	61	55			"	"	"	
8				"	"		30.34	"	"			"	"	"	
9				"	"		"	58	53			"	"	8	
10				"	"		"	56	51			"	"	7	
11				"	"		30.36	55	50			"	"	"	
Mid.				"	"		"	54	49			"	"	"	

Longitude by Chronometer from Afternoon Observations ⊕	o	'	"
Longitude by Chronometer Observations]	o	'	"
Variation of the Compass by Amplitude observed at Sunset	o	'	"
Variation of the Compass by at	o	'	"

under the command of Commander W. Scott Schley
Saturday November 4th. 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear. Cool. Pleasant. Light N.W. breeze. Bright moonlight. Slack water at 3.30. Swung to ebb tide. Steam in two boilers. Distilling.

(Signed) Richard G Davenport
Lieut.

From 4 to 8 A.M. Clear and pleasant. Light N.W[ester]ly air. Riding to ebb tide. Hauled fire under boiler No. 2 and 4 port side.

(Signed) J.T. Sullivan
Lieut.

From 8 to Merid. Weather clear and pleasant with fresh breeze from N and W. Cool and bracing. Slack water at 10. Swung to flood at 10.30.

(Signed) Wainwright Kellogg
Lieut.

From Merid. to 4 P.M. Clear and pleasant. Light breeze from N and W. Riding to flood tide.

(Signed) J.T. Sullivan
Lieut.

From 4 to 8 P.M. Clear and pleasant with light breeze from S and W. Slack water at 4. Swung to ebb at 4.15. Moon rose at 7. Post Asst Paymaster T. Dennison Hurlburt left the ship with six days leave of absence.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Midnight. Clear and cool. Light N.W[ester]ly airs. Slack water at 11.50.

(Signed) J.T. Sullivan

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1				NNW	2		30.36	52	50			bc	Cir	5		
2				"	"		30.38	"	48			"	"	6		
3				"	"		"	"	"			"	"	"		
4				"	"		"	50	"			"	"	"		
5				"	"		30.40	"	47			"	Cum	4		
6				"	"		30.42	"	"			"	"	"		
7				"	"		30.44	"	"			"	"	0		
8				"	"		"	"	48			"	"	2		
9				"	1		"	51	50			"	Cir	4		
10				"	"		"	52	51			"	"	5		
11				"	"		"	53	52			"	"	"		
Noon				"	"		"	54	53			"	"	"		

Distance run by Log since preceding Noon	knots	fathoms.		
Latitude by D. R. at Noon	0	1	"	
Longitude by D. R. at Noon	0	1	"	
Latitude by Observations at Noon ⊕	0	1	"	
Longitude by Chronometer from Forenoon Observations ⊕	0	1	"	
Current during the time	knots	fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊕ observed at Sunrise	0	"	"	
Variation of the Compass by Azimuth ⊕ observed at	0	"	"	
Water expended during the preceding 24 hours				gallons.
Water during the preceding 24 hours				"
Water remaining on hand fit for me at Noon				"
Coal consumed during the preceding 24 hours	tons	1400	lbs.	
Coal remaining on hand at Noon	150	"	1060	"

P.M.								
1	NE	2	30.30	58	58	bc	Cir	8
2	"	"	30.38	60	"	"	"	9
3	"	"	30.48	61	59	"	"	"
4	"	"	"	"	62	"	"	"
5	NNW	1	"	"	"	"	"	6
6	"	"	"	"	"	"	"	7
7	Calm	0	"	"	"	"	"	"
8	"	"	"	"	"	"	"	"
9	E	1	30.42	52	51	"	"	9
10	"	"	30.44	"	"	"	"	"
11	"	"	"	"	"	"	"	"
Mid.	"	"	"	"	"	"	"	"

Longitude by Chronometer from Afternoon Observations \oplus		0	1	"
Longitude by Chronometer Observations	]	0	1	"
Variation of the Compass by Amplitude	observed at Sunset	0	1	"
Variation of the Compass by	at	0	1	"

under the command of Commander W. Scott Schley
Tuesday November 5th, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear, cool and pleasant with light breeze from N. and W. At 12 swung to flood tide. Moonlight.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 A.M. Weather cool and hazy. Gentle breeze from W.N.W. High water at 6. Received fresh provisions for crew.

(Signed) J.K. Cogswell
Lieut.

From 8 to Merid. Clear and pleasant. Light N. W[ester]ly airs. Turning to the flood at 11.50. At 9.45 Commanding Officer inspected the ship and the crew at quarters. At 10.15 had general muster and read the Articles of War. The following named men are absent without leave. Richard Beale (Main) John Gabel (Boy) deserted from boat. John C. Gable (Boy) J.J. Griffith (Boy) D. W. Hellen (Boy) J. Kaiser (Boy) Gustave Rowe (Boy) Tho C Pewty (O.S. 2nd C.) J.B. Stanley (Boy) Richard Wilkins (Boy) Held divine services at 10.45 a clergyman from shore officiating. # W.J. Hasson (Boy)

(Signed) J. T. Sullivan
Lieut.

From Merid. to 4 P.M. Clear and pleasant. Gentle breeze from N and E. Sent visiting party to the "Plymouth". Riding to the flood.

(Signed) J.K. Cogswell
Lieut.

From 4 to 8 P.M. Clear and pleasant. Light airs and calm. Swung to the ebb tide at 6 o'clock.

(Signed) J. T. Sullivan
Lieut.

From 8 to Midnight. Cool and clear. Light breeze from the East. Riding to the ebb.

(Signed) J. K. Cogswell
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

Record of the sail the vessel is
under at end of watch.

Distance run by Log since preceding Noon	knots	fathoms.		
Latitude by D. R. at Noon	0	1		"
Longitude by D. R. at Noon	0	1		"
Latitude by Observations at Noon ⊕	0	1		"
Longitude by Chronometer from Forenoon Observations ⊕	0	1		"
Current during the time	knots	fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊕ observed at Sunrise	0		"	"
Variation of the Compass by Azimuth ⊕ observed at	0		"	"
Water expended during the preceding 24 hours				gallons
Water		during the preceding 24 hours		"
Water remaining on hand fit for me at Noon				"
Coal consumed during the preceding 24 hours		tons	1805	lbs.
Coal remaining on hand at Noon	149	"	1495	"

Longitude by Chronometer from Afternoon Observations ⊕	0	1	11
Longitude by Chronometer Observations]	0	1	11
Variation of the Compass by Amplitude observed at Sunset	0	1	11
Variation of the Compass by at	0	1	11

under the command of Commander W. Scott Schley
Monday November 6th, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and cool. Light N.E[aster]ly airs. Swung to the flood tide at 1 o'clock.

(Signed) J. T. Sullivan
Lieut.

From 4 to 8 A.M. Clear. Cool. Pleasant. Light N. E. breeze. Cir cum clouds. Slack water at 5.30. Swung to ebb at 6. Steam in two boilers.

(Signed) Richard G. Davenport
Lieut.

From 8 to Merid. Weather cool and cloudy. Light N.E. breeze. Placed John Lucey (Boy) in solitary confinement on bread and water by order of Comdg Officer, for assaulting another, and drunkenness. Crew engaged in scraping gun carriages. Carpenters gang in painting white streak outside. Low water at 12.

(Signed) J. K. Cogswell
Lieut.

From Merid. to 4 P.M. Overcast. Damp. Cool. Disagreeable. Moderate S.E. breeze, cum clouds. Swung to flood at 12.30. Received in Navigation Department, from U.S. Navy Yard, League Island, 80 lbs sounding wire, and three specimen cups. Also Admiralty chart No. 24 and Hydrographic chart No. 454. Port Asst Surgeon Wm B. David left the ship for five day leave of absence. Steam in two boilers. Wm G. Norwood (Boy) returned to the ship.

(Signed) Richard G. Davenport
Lieut.

From 4 to 8 P.M. Overcast and damp. Light drizzling showers in latter part of watch. Mustered at quarters at 5.20. High water at 6.15.

(Signed) J. K. Cogswell
Lieut.

From 8 to Midnight. Overcast. Rainy. Cool. Disagreeable. Light S.E. breeze, nimb clouds. Riding to ebb. Steam in two boilers. At 8 commenced distilling.

(Signed) Richard G. Davenport
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER “ESSEX”, 3rd Rate, 6 Guns,
Off Philadelphia Pa

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A.M.															
1				SE	1		30.42	60	58			or	Nimb		
2				"	"		"	"	"			"	"		
3				"	"		"	"	"			"	"		
4				"	"		"	"	"			"	"		
5				"	2		30.02	"	57			"	"		
6				"	"		"	"	"			"	"		
7				"	"		"	"	"			"	"		
8				"	"		"	"	"			"	"		
9				S	"		"	"	"			"	"	0	
10				SW	"		"	59	"			"	"	0	
11				WSW	"		"	"	"			"	"	"	
Noon				"	"		"	"	"			"	"	"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	o	' "
Longitude by D. R. at Noon	o	' "
Latitude by Observations at Noon ⊕	o	' "
Longitude by Chronometer from Forenoon Observations ⊕	o	' "
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ⊕ observed at Sunrise	o	" "
Variation of the Compass by Azimuth ⊕ observed at	o	" "
Water expended during the preceding 24 hours		221 gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for me at Noon		2249 "
Coal consumed during the preceding 24 hours	1 tons	180 lbs.
Coal remaining on hand at Noon	148 "	1315 "

P.M.															
1			N BY E	3			29.98	59	57			or	Nimb		
2			"	"			29.96	"	"			"	"		
3			"	"			29.64	"	"			"	"		
4			"	"			29.92	"	"			"	"		
5			NW	"			"	58	56			"	"		
6			"	"			"	57	55			"	"		
7			"	"			"	56	"			"	"		
8			"	"			"	55	54			"	"		
9			NNW	"			"	"	52			"	"		
10			"	4			"	"	50			"	"		
11			"	"			"	"	"			"	"		
Mid.			"	"			"	"	"			"	"		

Longitude by Chronometer from Afternoon Observations ⊕	o	' "
Longitude by Chronometer Observations]	o	' "
Variation of the Compass by Amplitude observed at Sunset	o	' "
Variation of the Compass by at	o	' "

under the command of Commander W. Scott Schley
Tuesday November 7th, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Continuous rain. Light wind from S.E. At 1.30 swung to the flood.

(Signed) J. K. Cogswell
Lieut.

From 4 to 8 A.M. Overcast and raining. Ship swung to ebb at 7. Light airs from S and E.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Merid. Overcast. Rainy. Cool. Disagreeable. Light S.W. cum nimb clouds. At 9.30 mustered crew at quarters. At 11.30 "Plymouth" made signal no. 1087. Steam on two boilers. Distilling. Riding to ebb. By order of Comdg Officer, J.C. Little(Boy) four hours extra duty, ditty box in lucky bag, Herman Meyer (Boy) sixteen hours extra duty, shirking, Walter Thomas (SC) two hours extra duty, inattention to orders. D.W. Hellen (Boy) J.J. Griffith (Boy) five days extra duty, each repeatedly overstaying liberty. Harry Hill (Boy) A.T. Leigh (Boy) toe seam on quarter deck for fighting. A.T. Leigh (Boy) one week extra duty for using provoking language.

(Signed) Richard G. Davenport
Lieut.

From Merid. to 4 P.M. Overcast, raining, with light breeze from N.E. Distilling two main boilers. Swung to flood at 1.50.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 P.M. Overcast. Raining. Cool. Disagreeable. Light N.W. breeze. Nimb clouds. At 4.45 mustered crew at quarters. Slack water 6.40. Swung to ebb at 7.15. Steam on two boilers. Distilling.

(Signed) Richard G. Davenport
Lieut.

From 8 to Midnight. Overcast, cool and rainy, with fresh breeze from N.N.W. Riding to ebb tide during watch.

(Signed) Wainwright Kellogg
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Off Philadelphia Pa

Hour.	Knots.	Fathoms.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at't'd.	Air Dry Bulb.						Air Wet Bulb.	Water at surface.
A.M.															
1				NW	2		29.92	50	59		b	Cir Nimb	0		
2				"	2-3		29.91	59	49		"	"	"		
3				"	2-4		29.90	50	"		bc	Cum	"		
4				"	2-5		29.89	59	"		"	Cir Cum	2		
5				"	3		29.90	49	47		"	Cir Nimb	5		
6				"	"		29.91	"	"		"	"	4		
7				"	"		29.92	"	"		"	"	2		
8				"	"		29.93	"	"		"	"	1		
9				"	"			50	50		b	Nimb Cum			
10				"	"			"	"		"	"			
11				"	"			"	51		"	"			
Noon				"	"		"	"	"		"	"			
Distance run by Log since preceding Noon										knots	fathoms.				
Latitude by D. R. at Noon										o	i	"			
Longitude by D. R. at Noon										o	i	"			
Latitude by Observations at Noon ⊕										o	i	"			
Longitude by Chronometer from Forenoon Observations ⊕										o	i	"			
Current during the time										knots	fms. per hour, setting to the				
Variation of the Compass by Amplitude ⊕ observed at Sunrise										o	"	"			
Variation of the Compass by Azimuth ⊕ observed at										o	"	"			
Water expended during the preceding 24 hours										221 gallons					
Water during the preceding 24 hours										"					
Water remaining on hand fit for me at Noon										1969 "					
Coal consumed during the preceding 24 hours										tons	lbs.				
Coal remaining on hand at Noon										"	"				
P.M.															
1				NW	2		29.92	52	52		0	Cum	4		
2				WNW	"		29.91	54	54		"	"	"		
3				N	1		29.90	55	55		"	"	"		
4				NNE	2		29.89	"	"		be	"	"		
5				"	"		29.90	57	"		b	"	"		
6				"	"		29.91	"	"		"	"	"		
7				"	"		"	"	"		"	"	"		
8				"	"		"	"	"		"	"	"		
9				"	1		"	"	"		"	"	"		
10				N	"		"	56	54		bc	"	5		
11				"	"		"	"	"		"	"	8		
Mid.				"	"		"	"	"		"	Cir	9		
Longitude by Chronometer from Afternoon Observations ⊕										o	i	"			
Longitude by Chronometer Observations]										o	i	"			
Variation of the Compass by Amplitude observed at Sunset										o	i	"			
Variation of the Compass by at										o	i	"			

under the command of Commander W. Scott Schley
Wednesday November 8th, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy. Cool. Pleasant. Puffy from N.W. Obscured moonlight.
Steam on two boilers. Distilling. Slack water at 2.50. Swung to flood at 3.20.

(Signed) Richard G. Davenport
Lieut.

From 4 to 8 A.M. Pleasant, with light cir cum clouds. W.F. Hasson (Boy) returned from liberty
four days over time. At 7.30 ship swung to ebb tide. Clear hawser.

(Signed) Asa Walker
Lieut.

From 8 to Merid. Clear, cool and pleasant. Light breeze from N.W. Riding to ebb. At 8.50 made
signal, interrogatory 5455. "Plymouth" answered 904. At 9 loosed sail. Scraping spars. John
Lucey (Boy) simple confinement, on full ration, awaiting the result of assaulting Wm. Bruman
(Boy).

(Signed) Wainwright Kellogg
Lieut.

From Merid. to 4 P.M. Light N.W[ester]ly breeze, shifting to W[ester]ly. Swung to flood tide. At
12.55 "Plymouth" made signal 4826, and at 1, 4826. Furled sail at 1 o'clock. John Gable and
John F. Mahoney (2nd C Boys) were declared deserters, having been absent from the ship two
days without leave.

(Signed) J. T. Sullivan
Lieut.

From 4 to 8 P.M. Clear, cool and pleasant, overcast. Light breeze from N. and E. Riding to
flood during watch. Commenced distilling at 6.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Midnight. Overcast first part of watch, and light N.E[aster]ly airs and clear latter part.
Swung to the ebb at 8.45.

(Signed) J.T. Sullivan
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

Record of the sail the vessel is
under at end of watch.

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ⊕	°	'	"
Longitude by Chronometer from Forenoon Observations ⊕	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ⊕ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ⊕ observed at	°	"	"
Water expended during the preceding 24 hours			221 gallons
Water Condensed during the preceding 24 hours			730 "
Water remaining on hand fit for me at Noon			2372 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		

P.M.								
1	WNW	2	30.08	57	57	bc	Cum	7
2	"	"	"	"	"	"	"	"
3	"	"	"	"	"	"	"	"
4	"	"	"	"	"	"	"	"
5	"	2	"	"	56	"	Cir Cum	"
6	"	"	"	"	"	"	"	"
7	"	"	"	"	55	"	"	"
8	"	1	30.10	"	"	"	"	"
9	Calm	0	30.12	54	50	"	Str Cir	8
10	"	"	30.10	53	"	"	"	9
11	"	"	"	"	49	"	"	"
Mid.	"	"	"	"	"	"	"	"
Longitude by Chronometer from Afternoon Observations ⊕							°	' "
Longitude by Chronometer Observations]							°	' "
Variation of the Compass by Amplitude observed at Sunset							°	' "
Variation of the Compass by at							°	' "

under the command of Commander W. Scott Schley
Thursday November 9th, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cool pleasant weather. Light breeze from N.W. At 2 ship swung to flood.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 A.M. Pleasant weather. Light breeze from N.W. Riding to ebb tide.

(Signed) J.K. Cogswell
Lieut.

From 8 to Merid. Clear and pleasant. Light N.W[ester]ly airs. At 8.45 "Plymouth" made preparatory signal 5446, and at 9 o'clock 5446. Loosed sail to a bowline. Inspected at quarters at 9.30 and exercised 1st and 2nd divisions with small arms.

(Signed) J. T. Sullivan
Lieut.

From Merid. to 4 P.M. Cool and pleasant. Light N.W. breeze. At 3.15 "Plymouth" signaled preparatory 4826. At 3.30 4826. Furled sail. Low water at 4.

(Signed) J. K. Cogswell
Lieut.

From 4 to 8 P.M. Clear and pleasant. Light W[ester]ly airs. Swung to the flood at 4.10. Mustered crew at quarters at 5 o'clock.

(Signed) J. T. Sullivan
Lieut.

From 8 to Midnight. Clear and cool. Calm. High water at 8.40.

(Signed) J. K. Cogswell
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Off Philadelphia Pa

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prog. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A.M.															
1				N	2		30.40	50	49			bc	Cum	6	
2				"	"		"	49	48			"	"	5	
3				"	"		"	48	47			"	"	"	
4				"	"		"	47	45			"	"	2	
5				NE	3		"	"	46			om	Cum Nimb	0	
6				"	"		"	48	47			"	"	"	
7				"	"		"	49	48			"	"	"	
8				"	"		"	50	49			"	"	"	
9				N	2		"	"	47			od	Nimb	"	
10				"	"		"	"	"			"	"	"	
11				"	3		"	"	"			"	"	"	
Noon				"	"		"	"	"			"	"	"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	' "
Longitude by D. R. at Noon	°	' "
Latitude by Observations at Noon ⊕	°	' "
Longitude by Chronometer from Forenoon Observations ⊕	°	' "
Current during the time knots fms. per hour, setting to the	°	' "
Variation of the Compass by Amplitude ⊕ observed at Sunrise	°	' "
Variation of the Compass by Azimuth ⊕ observed at	°	' "
Water expended during the preceding 24 hours	221 gallons	
Water during the preceding 24 hours	"	
Water remaining on hand fit for me at Noon	2190 "	
Coal consumed during the preceding 24 hours	tons lbs.	
Coal remaining on hand at Noon	146 " 135 "	

P.M.															
1			NNW	3		30.06	50	46			or	Nimb	0		
2			"	"		"	"	"			"	"	"		
3			"	"		"	"	"			"	"	"		
4			"	"		"	"	"			"	"	"		
5			"	"		30.09	"	47			"	"	"		
6			"	"		"	"	"			"	"	"		
7			"	"		"	"	"			"	"	"		
8			"	"		"	"	"			"	"	"		
9			"	2		"	"	46			om	Cum Nimb	"		
10			"	"		"	"	"			"	"	"		
11			"	"		30.10	"	"			bc	"	2		
Mid.			"	"		"	"	"			om	"	"		

Longitude by Chronometer from Afternoon Observations 8	°	' "
Longitude by Chronometer Observations]	°	' "
Variation of the Compass by Amplitude observed at Sunset	°	' "
Variation of the Compass by at	°	' "

under the command of Commander W. Scott Schley
Friday November 10th, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and cool. Light N[orther]ly breeze. Riding to ebb. Moon rose at 12.15

(Signed) J. T. Sullivan
Lieut.

From 4 to 8 A.M. Overcast. Cool. Damp. Disagreeable. Moderate N.E. wind. Slack water at 4.30. Swung to flood at 5.10. At 6.25 "Plymouth" fired a salute of thirteen guns. At 8 dressed ship, by order of Senior Officer Present. Fire under two main boilers. Received fresh provisions in Paymaster Department.

(Signed) Richard G. Davenport
Lieut.

From 8 to Merid. Weather overcast, with drizzling rain in latter part of watch. Inspected at quarters at 9.30. Low water at 11.30.

(Signed) J. K. Cogswell
Lieut.

From Merid. to 4 P.M. Overcast and rainy, with light breeze from the N and W. At noon USS "Plymouth" fired a salute of 47 guns. Riding to ebb during watch.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 P.M. Overcast and rainy. Light N.W. breeze. At sunset the USS "Plymouth" fired a salute of thirteen guns. J. J. Griffiths (Boy) left the gig while ashore on duty. High water at 5.

(Signed) J. K. Cogswell
Lieut.

From 8 to Midnight. Overcast. Freshening. Cool. Disagreeable. Light N[orther]ly breeze. Cum nimb clouds. Slack water at 10. Swung to ebb at 10.30. Steam on two boilers.

(Signed) Richard G. Davenport
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1				N	4		30.09	48	45			oc	Nimb			
2				"	"		"	"	"			"	"			
3				"	"		"	"	"			"	"			
4				"	"		"	"	"			"	"			
5				NNW	2		30.10	47	44			bc	"			
6				"	"		30.12	"	43			"	Cur Cum	5		
7				"	"		30.14	"	"			"	"	6		
8				"	"		"	"	"			"	"	8		
9				"	3		30.12	"	44			"	"	6		
10				"	"		30.11	48	41			"	"	7		
11				"	"		"	49	"			"	"	8		
Noon				"	"		"	51	47			"	"	"		

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	0	'	"
Longitude by D. R. at Noon	0	'	"
Latitude by Observations at Noon ⊕	0	'	"
Longitude by Chronometer from Forenoon Observations ⊕	0	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ⊕ observed at Sunrise	0	"	"
Variation of the Compass by Azimuth ⊕ observed at	0	"	"
Water expended during the preceding 24 hours			221 gallons
Water during the preceding 24 hours			"
Water remaining on hand fit for me at Noon			2190 "
Coal consumed during the preceding 24 hours		tons	1430 lbs.
Coal remaining on hand at Noon	145	"	945 "

P.M.								
1	WNW	3	30.06	51	50	bc	Cir Cum	8
2	"	"	"	"	"	"	"	"
3	"	2	"	"	"	"	"	"
4	"	"	"	"	"	"	"	"
5	"	"	30.07	"	"	"	"	9
6	"	1	30.08	"	"	"	"	10
7	"	"	30.09	"	"	b	"	"
8	"	"	30.10	52	"	"	"	9
9	"	"	"	"	48	bc	Cir Str	"
10	"	"	"	50	46	"	"	"
11	"	"	"	"	"	"	"	"
Mid.	"	"	"	"	"	"	"	"

Longitude by Chronometer from Afternoon Observations ⊕	°	'	"
Longitude by Chronometer Observations]	°	'	"
Variation of the Compass by Amplitude observed at Sunset	°	'	"
Variation of the Compass by at	°	'	"

under the command of Commander W. Scott Schley
Saturday November 11th, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather overcast and cool. Light airs from the N. Riding to the ebb.

(Signed) J. K. Cogswell
Lieut.

From 4 to 8 A.M. Clear, cool and pleasant with light breeze from N and W. At 5.30 swung to flood. Received in Paymaster Department 160 lbs of fresh beef and 120 lbs of vegetables.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Merid. Clear. Cool. Pleasant. Moderate N.W. wind. Cir cum clouds. Port Asst Paymaster S. D. Hurlburt and Port Asst Surgeon Wm D. Davie returned from leave. At 9.30 mustered crew at quarters. J.J. Griffiths (Boy) was reported absent without leave. At 9.45 "Plymouth" made preparatory signal 5455. At 9.50 signal 5455. At 9.55 loosed sail. By order of the Navy Department, Cadet Engineer R. G. Reid H. H. Stious and W. B. Dunning were detached from this ship and ordered to the U.S.S. "Ranger". Slack water at 10.45. Swung to the ebb at 11.20. Steam on two boilers. By order of Comdg Officer J. S. Marion (Boy) to toe seam for not coming aft when word was passed. Tho. C. Peuty (O.S. 2nd C) John C Gabel (Boy) extra until further orders for overstaying leave. Phillip Kincade and David Shelly shipped as Lds for three years general service.

(Signed) Richard G Davenport
Lieut.

From Merid. to 4 P.M. Clear. Cool. Pleasant. Light W.N.W. wind at 1 o'clock furled sail. Riding to the ebb during watch.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 P.M. Clear. Cool. Pleasant. Light W.N.W. breeze. Mustered crew at quarters at 4.50. Slack water at 6. Swung to flood at 6.30. Steam on two boilers.

(Signed) Richard G. Davenport
Lieut.

From 8 to Midnight. Weather cool, clear and pleasant with light airs from N and W. Riding to flood during watch. Distilling with two main boilers. Slack water at 11.30. Swung to ebb at 12.

(Signed) Wainwright Kellogg
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns,
Off Philadelphia, Pa

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fifts.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A.M.															
1				NNW	2		30.10	47	45			b		10	
2				"	"		30.11	"	"			"		"	
3				"	"		"	"	"			"		"	
4				"	"		"	"	"			"		"	
5				NW	3		"	48	44			"		"	
6				NW by W	"		30.12	"	"			"		"	
7				"	"		30.14	"	45			"		"	
8				"	"		30.16	"	47			"		"	
9				"	4		30.19	"	50			"		"	
10				"	"		30.18	50	54			"		"	
11				"	"		"	56	57			"		"	
Noon				"	"		"	60	"			"		"	

Distance run by Log since preceding Noon	knots		fathoms.	
Latitude by D. R. at Noon	0			"
Longitude by D. R. at Noon	0			"
Latitude by Observations at Noon ⊕	0			"
Longitude by Chronometer from Forenoon Observations ⊕	0			"
Current during the time	knots		fms. per hour, setting to the	
Variation of the Compass by Amplitude ⊕ observed at Sunrise	0		"	"
Variation of the Compass by Azimuth ⊕ observed at	0		"	"
Water expended during the preceding 24 hours				221 gallons
Water				during the preceding 24 hours
Water remaining on hand fit for me at Noon				2190 "
Coal consumed during the preceding 24 hours	1	tons	290	lbs.
Coal remaining on hand at Noon	144	"	650	"

P.M.							
1	NW	4	30.16	60	58	b	10
2	"	"	30.14	"	"	"	"
3	"	5	"	"	"	"	"
4	"	"	30.12	59	57	"	"
5	"	2	30.14	58	55	"	"
6	"	"	30.15	58	55	"	"
7	"	"	"	56	53	"	"
8	Calm	0	"	"	"	"	"
9	"	"	"	55	52	"	"
10	SSW	1	"	54	51	"	"
11	"	"	30.46	53	50	"	"
Mid.	"	2	"	52	49	"	"

Longitude by Chronometer from Afternoon Observations \oplus	0	1	11
Longitude by Chronometer Observations]	0	1	11
Variation of the Compass by Amplitude observed at Sunset	0	1	11
Variation of the Compass by at	0	1	11

under the command of Commander W. Scott Schley
Monday November 13th, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear, cool and pleasant weather with light breeze from the N.W.
At 1 o'clock swung to ebb.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 A.M. Clear. Cool. Pleasant. Misty. Light N.W. breeze. Slack water at 7. Swung to
flood at 7.30. Steam on two boilers. Distilling.

(Signed) Richard G. Davenport
Lieut.

From 8 to Merid. Pleasant weather. Light variable airs. Riding to flood tide. At 9.30 inspected
crew at quarters.

(Signed) J.T. Sullivan
Lieut.

From Merid. to 4 P.M. Clear. Cool. Pleasant. Misty. Light S.W. breeze, cir cum clouds. Slack
water at 12.30. Swung to ebb at 1. Steam on two boilers. Distilling.

(Signed) Richard G. Davenport
Lieut.

From 4 to 8 P.M. Hazy weather. Light S.W[ester]ly airs. Riding to ebb tide.

(Signed) J. T. Sullivan
Lieut.

From 8 to Midnight. Overcast. Cool. Pleasant. Misty. Light S.W. breeze. Cum nimb clouds.
Slack water at 8. Swung to flood at 8.30. Steam on two boilers. Distilling.

(Signed) Richard G Davenport
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, At Philadelphia Pa

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prog. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1				NW	2		30.12	52	51			b		10		
2				"	"		"	"	"			"		"		
3				"	"		"	"	"			"		"		
4				"	"		"	"	"			"		"		
5				"	"		"	"	"			bon		"		
6				"	"		30.15	"	"			"		"		
7				"	"		30.14	53	52			"		"		
8				"	"		30.15	"	"			"		"		
9				"	"		"	55	54			"		"		
10				Calm	0		30.12	57	56			"		"		
11				SW	"		"	59	58			"		"		
Noon				"	1		30.10	60	60			"		"		

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	o	' "
Longitude by D. R. at Noon	o	' "
Latitude by Observations at Noon ⊕	o	' "
Longitude by Chronometer from Forenoon Observations ⊕	o	' "
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ⊕ observed at Sunrise	o	" "
Variation of the Compass by Azimuth ⊕ observed at	o	" "
Water expended during the preceding 24 hours		221 gallons
Water Condensed during the preceding 24 hours		965 "
Water remaining on hand fit for me at Noon		2505 "
Coal consumed during the preceding 24 hours	1 tons	620 lbs.
Coal remaining on hand at Noon	143 "	30 "

P.M.																
1			SW	2		30.08	63	61		fou		Cir Cum	9			
2			"	"		30.06	64	60		"		"	8			
3			"	"		30.02	65	"		"		"	"			
4			"	"		"	"	"		"		"	"			
5			"	"		"	64	"		"		"	10			
6			"	1		"	65	"		"		"	"			
7			"	"		"	62	"		"		"	"			
8			"	"		"	61	"		"		"	"			
9			"	"		30.03	"	61		"		Cum Nimb	5			
10			"	"		30.02	"	"		"		"	4			
11			"	"		"	"	60		"		"	0			
Mid.			"	"		"	"	"		"		"	"			

Longitude by Chronometer from Afternoon Observations ⊕	o	' "
Longitude by Chronometer Observations]	o	' "
Variation of the Compass by Amplitude observed at Sunset	o	' "
Variation of the Compass by at	o	' "

under the command of Commander W. Scott Schley , U. S. Navy.

Tuesday November 14th, 1876.

[Editor's Note: The following page was pasted on top of the log entry for November 14, 1876.]

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

The following changes are recommended in the ratings of the crew, in conformity with General Order no. 197 of the Navy Department.

Frank Maguire (Sea) to the rated Quartermaster.

Oscar P. Huntress (Qr Mr) to be disrated to seaman for absence without leave.

John Schouler Lieut. Comdr

Asa Walker Lieut.

Richard Davenport Lieut.

Approved & ordered

W. S. Schley

Comder Comdg

under the command of Commander W. Scott Schley
Tuesday November 14th, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast. Light airs and calm. Swung to the ebb tide at 1.45.

(Signed) J. T. Sullivan
Lieut.

From 4 to 8 A.M. Pleasant weather. Misty. Light airs from N. and W. Riding to ebb tide during watch. Received in Pay Department 160 lbs fresh beef and 120 lbs vegetables.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Merid. Overcast. Cool. Pleasant. Misty. Light N.N.W. breeze. Cum nimb clouds. At 9.30 mustered and inspected crew at quarters. 1st Division and Marine guard exercised at small arms. Powder Division at stations. Steam on two boilers. Riding to flood.

(Signed) Richard G. Davenport
Lieut.

From Merid. to 4 P.M. Overcast and pleasant first part of watch. Raining latter part. Slack water at 2.30. Swung to ebb at 3. Midshipmen Richard Henderson and T. D. Griffin reported on board for duty. Jas A. Freeman (Lds) was discharged from the ship and the Naval Service by order of Navy Department. Received in Navigators Department 97 sinkers for sounding, and one specimen cylinder. By order of Commanding Officer, Wm H. Johnson (W.O.S) disrated to (W.O.C.)

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 P.M. Overcast. Rainy. Cool. Disagreeable. Light N.N.E. breeze. Nimb clouds. Riding to ebb. Steam on two boilers.

(Signed) Richard G. Davenport
Lieut.

From 8 to Midnight. Overcast and rainy with fresh breeze from N. and E. At 9 swung to flood. Distilling with two main boilers.

(Signed) Wainwright Kellogg
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Off Philadelphia Pa.

Hour.	Knots.	Fathoms.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A.M.														
1			SW	1		30.04	60	59			bc	Cum	2	
2			"	"		"	"	"			"	"	1	
3			Calm	0		"	59	58			"	"	0	
4			"	"		"	"	"			"	"	"	
5			WNW	1		30.06	"	59			bc	Cir Cum	5	
6			"	"		30.08	"	"			"	"	6	
7			"	2		"	"	"			"	"	9	
8			"	"		"	"	"			"	"	"	
9			NNW	"		"	60	60			bcsu	Cum Nimb	4	
10			"	"		30.07	62	62			"	"	2	
11			"	"		30.06	64	64			osu	"	0	
Noon			"	"		"	66	66			"	"	"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	0	"
Longitude by D. R. at Noon	0	"
Latitude by Observations at Noon ⊕	0	"
Longitude by Chronometer from Forenoon Observations ⊕	0	"
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ⊕ observed at Sunrise	0	"
Variation of the Compass by Azimuth ⊕ observed at	0	"
Water expended during the preceding 24 hours		221 gallons
Water during the preceding 24 hours		"
Water remaining on hand fit for me at Noon		2190 "
Coal consumed during the preceding 24 hours	1 tons	1810 lbs.
Coal remaining on hand at Noon	141 "	385 "

P.M.														
1			NNW	3		30.09	66	66			0	Cum Nimb		
2			"	4		"	"	"			"	"		
3			"	"		"	"	"			or	"		
4			"	"		"	"	"			"	"		
5			NNE	2		30.10	"	65			"	Nimb		
6			"	"		30.11	65	62			"	"		
7			"	"		30.12	65	59			"	"		
8			"	"		30.15	60	57			"	"		
9			"	3		"	58	55			"	"		
10			"	4		"	56	54			"	"		
11			"	"		"	53	50			"	"		
Mid.			"	"		"	"	"			"	"		
Longitude by Chronometer from Afternoon Observations ⊕											0	"	"	
Longitude by Chronometer Observations											0	"	"	
Variation of the Compass by Amplitude											0	"	"	
Variation of the Compass by											0	"	"	

under the command of Commander W. Scott Schley , U. S. Navy.
Wednesday November 15th, 1876.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast. Raining. Cool. Disagreeable. Fresh N.E. wind. Nimb clouds. Steam on two boilers. Slack water at 1.45. Swung to ebb at 2.15.

(Signed) Richard G. Davenport
Lieut.

From 4 to 8 A.M. Overcast and rainy. Wind moderate from N and E. Riding to ebb tide.

(Signed) J. T. Sullivan
Lieut.

From 8 to Merid. Overcast and rainy. Fresh N.E[aster]ly breeze. At 8.15 made signal interrogatory 4886. "Plymouth" answered 904. At 8.30 swung to flood. By order of Commanding Officer, Ed. P. Burke (WOC) rated (WOS)

(Signed) Wainwright Kellogg
Lieut.

From Merid. to 4 P.M. Overcast and rainy. Cool. Moderate breeze from N and E. Slack water at 1.30. Navy Yard tug came alongside at 1. Swung to ebb tide at 2.30. At 3.30 "Plymouth" made signal 1087 and dingy was sent to her. Charles Schliclitu (2.C.B.) was discharged from this vessel and the Naval Service, at his own request, by order of the Chief of Bureau of Equipment and Recruiting. Received the following stores in the Pay Department Viz. 3 Bbls Beef. 1 Bbl Rice. 1 Bbl Butter. 3 Bbls Beans. 2 Bbls Flour. 2 half Bbls Rice. 2 Kegs Pickles. 10 Boxes Preserved Meat. 7 Boxes Candles. 1 Bale sheeting Frocks. 1 Bale Duck Pants. 1 Bale Woolen Socks. 6 Boxes Soar. 1 Box Tape. 1 Box Sewing Silk.

(Signed) J. T. Sullivan
Lieut.

From 4 to 8 P.M. Overcast and raining with light breeze from N and E. Riding to ebb during watch. Commenced distilling at 6.30 with two main boilers.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Midnight. Overcast and cool. At 9.10 slack water. At 9.30 began to swing to flood. At 10.10 swung to flood.

(Signed) J. T. Sullivan
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Off Philadelphia Pa.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prog. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.															
1			NE	4		30.13	50	50			our	Nimb	0		
2			"	"		30.12	51	"			"	"	"		
3			"	"		"	"	"			"	"	"		
4			"	"		"	"	"			"	"	"		
5			"	"		"	"	"			or	"	"		
6			"	3		"	"	"			"	"	"		
7			"	"		"	"	"			"	"	"		
8			"	4		30.09	"	49	49		"	"	"		
9			"	5		"	"	"	"		"	"	"		
10			"	"		"	"	"	"		"	"	"		
11			"	"		"	"	"	"		"	"	"		
Noon			"	"		"	"	"	"		"	"	"		

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	o	i "
Longitude by D. R. at Noon	o	i "
Latitude by Observations at Noon ⊕	o	i "
Longitude by Chronometer from Forenoon Observations ⊕	o	i "
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ⊕ observed at Sunrise	o	" "
Variation of the Compass by Azimuth ⊕ observed at	o	" "
Water expended during the preceding 24 hours		221 gallons
Water during the preceding 24 hours		"
Water remaining on hand fit for me at Noon		2520 "
Coal consumed during the preceding 24 hours	tons	1760 lbs.
Coal remaining on hand at Noon	140	" 865 "

P.M.															
1			NNE	3		30.06	46	48			or	Nimb	0		
2			"	"		30.10	"	49			"	"	"		
3			"	"		30.12	"	48			"	"	"		
4			"	"		30.14	45	47			"	"	"		
5			"	"		"	"	"			"	"	"		
6			NE	2		30.20	44	"			"	"	"		
7			"	"		30.24	43	46			"	"	"		
8			"	"		30.30	45	"			"	"	"		
9			"	"		"	44	"			"	"	"		
10			"	"		"	"	48			"	"	"		
11			"	"		"	"	"			"	"	"		
Mid.			N by W	"		"	"	"			"	"	"		

Longitude by Chronometer from Afternoon Observations ⊕	o	i "	
Longitude by Chronometer Observations	o	i "	
Variation of the Compass by Amplitude	o	i "	
Variation of the Compass by	o	i "	

under the command of Commander W. Scott Schley
Thursday November 16th, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast and cold with light breeze from N. Swung to ebb at 2.40.
Distilling with two main boilers.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 A.M. Overcast. Cold. Damp. Disagreeable. Light N. by E. breeze, cum nimb clouds.
Riding to ebb. Steam on two boilers.

(Signed) Richard G. Davenport
Lieut.

From 8 to Merid. Overcast and cool, light breeze from N and W. At 8.30 made interrogatory
signal 5519. At 9.30 inspected at quarters. 1st Division drilled at facings. 2nd Division at single
sticks. At 8.30. slack water. At 9.50 swung to flood tide. Started all fires at 10.15. At 12 hoisted
pilot signal. During watch got in sheet chain and took off mooring swivel, hove in to 15 fathoms
on port chain, veered to 4 5 fathoms on starboard chain.

(Signed) J. T. Sullivan
Lieut.

From Merid. to 4 P.M. Overcast. Light N.W. breeze, cir cum clouds. At 12.35 Pilot came aboard.
At 1 a board of officers composed of Capt Bauett, Chief Engineer Loring, Lieut. Comdr W. B.
Hoff and Asst Engineer Herwig came aboard. Ship draft 14 feet 2 in forward. 15 feet 4 in
amidships, and 16 feet 5 in aft. At 1 called all hands unmoor ship. At 1.15 Navy Yard tug
delivered box for navigating officer. At 1.25 hove up and catted port anchor and hove short on
starboard chain. At 1.30 W. J. Hasson (B) was placed in solitary confinement, on bread and
water, for insubordination, by order of Comdg Officer. At 2 called all hands up anchor. At 2.15
got underway. Average steam pressure 81 lbs Revolutions 43.

(Signed) Richard G Davenport
Lieut.

From 4 to 8 P.M. Clear and cold. Finished trial trip at 5 o'clock and stood up to anchorage off
foot of Vine St. Philadelphia. At 5.30 came to with the port anchor in 7 fathoms water veering to
25 fathoms chain. Banked fires. Riding to the ebb.

(Signed) J. T. Sullivan
Lieut.

From 8 to Midnight. Clear. Cool. Damp. Light variable breeze. Bright starlight. Slack water at 10.
Swung to flood at 10.30. Banked fires.

(Signed) Richard G Davenport
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Off Philadelphia Pa

		WINDS.			BAROMETER.		TEMPERATURE.										
Hour.		Courses steered.	Direction.	Force.	Leeway.	Height in inches	Ther. at't'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather by symbols.	Forms of Clouds, by symbols.	Prog. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.		
Knots.		Fathoms.															
A.M.																	
1			N	2		30.30	45	42	46		0	Cum					
2			"	"		"	"	"	"		"	"					
3			"	"		"	"	"	"		"	"					
4			"	"		"	"	"	"		"	"					
5			N by E	"		30.32	"	47	"		"	Cum Nimb					
6			"	"		30.35	"	"	"		"	"					
7			"	"		30.38	46	45	47		"	"					
8			"	"		30.41	48	47	48		"	"					
9			NW by W	"		30.42	44	46	47		"	"					
10			"	"		"	"	"	"		"	"					
11			WNW	"		30.43	"	45	44		"	"					
Noon			"	"		30.40	"	46	46		"	"					
Distance run by Log since preceding Noon										knots	fathoms.						
Latitude by D. R. at Noon										o	'	"					
Longitude by D. R. at Noon										o	'	"					
Latitude by Observations at Noon ⊕										o	'	"					
Longitude by Chronometer from Forenoon Observations ⊕										o	'	"					
Current during the time										knots	fms. per hour, setting to the						
Variation of the Compass by Amplitude ⊕ observed at Sunrise										o	'	"					
Variation of the Compass by Azimuth ⊕ observed at										o	'	"					
Water expended during the preceding 24 hours										221 gallons							
Water Condensed during the preceding 24 hours										365 "							
Water remaining on hand fit for me at Noon										2190 "							
Coal consumed during the preceding 24 hours										6	tons	530	lbs.				
Coal remaining on hand at Noon										134	"	935	"				
P.M.																	
1			NNW	2		30.38	48	47	48		0	Cum Nimb					
2			"	"		"	"	"	"		"	"					
3			"	"		"	50	48	49		"	"					
4			"	"		30.39	49	"	48		"	"					
5			N by W	"		30.38	45	"	46		C	cir					
6			"	"		"	"	"	"		"	"					
7			NW	1		"	43	47	46		"	"					
8			"	"		"	49	46	48		"	"					
9			"	"		"	"	47	"		b	"	10				
10			"	"		"	"	46	"		"	"	"				
11			E	"		"	"	"	"		"	"	"				
Mid.			"	"		"	"	"	"		"	"	"				
Longitude by Chronometer from Afternoon Observations ⊕										o	'	"					
Longitude by Chronometer Observations]										o	'	"					
Variation of the Compass by Amplitude observed at Sunset										o	'	"					
Variation of the Compass by at										o	'	"					

under the command of Commander W. Scott Schley
Friday November 17th, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and cold. Light airs from the E. Swung to the ebb at 3.50.

(Signed) J. T. Sullivan
Lieut.

From 4 to 8 A.M. Overcast and cool. Light breeze from N and E. Riding to ebb during watch.
Banked fires under all main boilers.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Merid. Overcast and cool. Light breeze from N.E. At 8.55 made interrogatory signal 5455. At 9 loosed sail. At 9.45 stowed sheet anchor below. At 11.30 received in Pay Department 2983 lbs bread. Slack water at 10. Swung to flood at 10.30. Banked fires.

(Signed) Richard G. Davenport
Lieut.

From Merid. to 4 P.M. Overcast and cool. Light breeze from N and E. At 2 "Plymouth" made signal 4826. At 2.05 furled sail. At 2.30 sent down topgallant yards bent topgallant sails and crossed them again. John Kirk(B) left gig without permission and was left ashore but returned to ship one hour later. At 3.55 swung to ebb. Midshipman W.H. Allen reported onboard for duty.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 P.M. Overcast. Cool. Damp. Disagreeable. Moderate N.E. breeze. Cum nimb clouds. Swung to ebb at 4.30. At 4.40 mustered crew at quarters. F.N. Cole (B) deserted from dingy while on duty. Banked fires.

(Signed) Richard G. Davenport
Lieut.

From 8 to Midnight. Overcast, cool, damp, raining during last hour, light N.E. wind. At 10.20 swung to flood.

(Signed) Wainwright Kellogg
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1				E	1		30.40	48	47	48		b		10		
2				"	"		"	"	"	"		"	"	"		
3				"	"		"	47	46	47		"		"		
4				"	"		"	"	45	46		"		"		
5				NE	"		"	"	"	"		0	Cum	"		
6				"	2		30.42	45	"	45		"	"	"		
7				"	3		"	"	44	44		"	"	"		
8				"	"		"	"	"	"		"	"	"		
9				"	"		"	43	45	46		"	"	"		
10				NNE	"		"	44	46	47		"	"	"		
11				NE	"		"	"	"	49		"	"	"		
Noon				"	"		30.40	45	50	51		"	"	"		

Distance run by Log since preceding Noon	knots		fathoms.	
Latitude by D. R. at Noon	0		'	"
Longitude by D. R. at Noon	0		'	"
Latitude by Observations at Noon ⊕	0		'	"
Longitude by Chronometer from Forenoon Observations ⊕	0		'	"
Current during the time	knots		fms. per hour, setting to the	
Variation of the Compass by Amplitude ⊕ observed at Sunrise	0		"	"
Variation of the Compass by Azimuth ⊕ observed at	0		"	"
Water expended during the preceding 24 hours				221 gallons
Water Conducted during the preceding 24 hours				365 "
Water remaining on hand fit for me at Noon				2190 "
Coal consumed during the preceding 24 hours	1	tons	2160	lbs.
Coal remaining on hand at Noon	132	"	415	"

P.M.								
1	NE	3	30.35	45	50	52	0	Cum
2	"	"	30.36	48	52	"	"	"
3	"	"	30.32	50	54	54	"	"
4	"	"	"	52	"	"	"	"
5	"	"	30.32	55	53	"	"	"
6	"	"	30.36	"	"	"	"	"
7	"	"	"	"	54	53	"	"
8	"	"	"	54	"	50	"	"
9	"	"	"	"	"	"	"	"
10	"	"	"	"	"	"	"	"
11	"	"	"	"	"	"	"	"
Mid.	"	"	"	"	"	"	or	"

Longitude by Chronometer from Afternoon Observations \oplus	0	1	11
Longitude by Chronometer Observations]	0	1	11
Variation of the Compass by Amplitude observed at Sunset	0	1	11
Variation of the Compass by at	0	1	11

under the command of Commander W. Scott Schley
Saturday November 18th, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast. Rainy. Cool. Disagreeable. Moderate N.E. wind. Nimb clouds. Rising to flood. Banked fires.

(Signed) Richard G Davenport
Lieut.

From 4 to 8 A.M. Overcast and rainy. Light breeze from the N and E. Swung to the ebb tide at 4.30. Fires banked.

(Signed) J. T. Sullivan
Lieut.

From 8 to Merid. Overcast and rainy. Light breeze from N. and W. Swung to flood at 11. Oscar P. Huntress (Qr Mr) was declared a deserter from this day having been absent from the ship ten days without leave. Inspected bags. Banked fires.

(Signed) Wainwright Kellogg
Lieut.

From Merid. to 4 P.M. Overcast and rainy. Light breeze from N.E. Navy Yard tug came alongside and delivered one deep sea sounding apparatus. At 5.30 slack water. Banked fires.

(Signed) J. T. Sullivan
Lieut.

From 4 to 8 P.M. Overcast. Cool. Rainy. Disagreeable. Fresh N.E. wind. At 4.25 swung to ebb. At 10 commenced distilling. Banked fires.

(Signed) Richard G. Davenport
Lieut.

From 8 to Midnight. Overcast and rainy. Wind fresh from N.E. Slack water at 11.45. Fires banked.

(Signed) J. T. Sullivan
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Off Philadelphia Pa.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prog. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A.M.															
1				NE	4		30.36	49	50	50		or	Nimb	0	
2				"	"		"	"	"	"		"	"	"	
3				"	"		"	"	"	"		"	"	"	
4				"	"		"	"	"	"		"	"	"	
5				"	3		"	"	"	"		"	"	"	
6				"	2		"	50	"	"		"	"	"	
7				"	"		"	51	"	"		od	"	"	
8				"	"		"	52	51	51		"	"	"	
9				"	"		"	55	54	54		o	"	"	
10				"	"		"	"	"	"		"	"	"	
11				"	"		"	"	"	"		or	"	"	
Noon				"	"		"	"	"	"		"	"	"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	o	i
Longitude by D. R. at Noon	o	i
Latitude by Observations at Noon ⊕	o	i
Longitude by Chronometer from Forenoon Observations ⊕	o	i
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ⊕ observed at Sunrise	o	"
Variation of the Compass by Azimuth ⊕ observed at	o	"
Water expended during the preceding 24 hours		221 gallons
Water during the preceding 24 hours		"
Water remaining on hand fit for me at Noon		2377 "
Coal consumed during the preceding 24 hours	3 tons	480 lbs.
Coal remaining on hand at Noon	127 "	1670 "

P.M.															
1				NE	3		30.32	56	57	58		or	Nimb	0	
2				ENE	4		30.30	57	56	57		o	"	"	
3				"	"		"	"	"	"		"	"	"	
4				"	5		"	"	"	56		or	"	"	
5				"	"		"	"	"	"		"	"	"	
6				NE	"		"	54	53	52		"	"	"	
7				"	"		"	53	51	"		"	"	"	
8				"	"		"	"	"	"		"	"	"	
9				"	3		"	"	52	"		od	"	"	
10				"	"		"	"	"	"		"	"	"	
11				"	3-5		"	"	"	"		"	"	"	
Mid.				"	"		"	"	"	"		"	"	"	

Longitude by Chronometer from Afternoon Observations ⊕	o	i	"
Longitude by Chronometer Observations]	o	i	"
Variation of the Compass by Amplitude observed at Sunset	o	i	"
Variation of the Compass by at	o	i	"

under the command of Commander W. Scott Schley
Sunday November 19th, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast and rainy. Fresh breeze with moderate squalls from E.N.E. Barometer falling slowly. Ship swung to flood at 12.10. Banked fires under all main boilers.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 A.M. Weather rainy and squally. Wind from N.E. blowing fresh in squalls. Riding to the wind. Swung to the ebb at 5. Barometer falling.

(Signed) J.K. Cogswell
Lieut.

From 8 to Merid. Squally and rainy. Blowing fresh from N.E. At 9.30 inspected bags at quarters. John Hasson (B) released from confinement by order of Comdg Officer. At 10.50 slack water. At 11.50 swung to flood tide. Riding across the wind and tide. Banked fires.

(Signed) J.T. Sullivan
Lieut.

From Merid. to 4 P.M. Overcast, squally and rainy with stiff breeze from E. By order of Comdg Officer Phillip McDade (Pr Marine) and John Bulleue (B) are declared deserters, they having been absent from the ship ten days without leave. Riding across wind and tide. Barometer falling.

(Signed) J.K. Cogswell
Lieut.

From 4 to 8 P.M. Rainy, squally and overcast. At 4.35 made interrogatory signal 6145. "Plymouth" answered 904. At 4.45 sent down topgallant yards. At 5.10 to ebb tide.

(Signed) J. T. Sullivan
Lieut.

From 8 to Midnight. Overcast and rainy. Strong squalls from N and E. Riding to the wind. Barometer steady.

(Signed) J. K. Cogswell
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Off Philadelphia Pa.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prog. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A.M.															
1				ENE	6		30.28	50	50	51		org	Nimb		
2				"	5-7		30.27	"	"	"		"	"		
3				"	"		30.25	"	"	"		"	"		
4				"	"		"	"	"	"		"	"		
5				NE	5-6		30.24	"	"	50		"	"		
6				"	"		30.22	"	"	"		"	"		
7				"	"		30.20	"	51	51		"	"		
8				"	"		"	"	"	"		"	"		
9				"	"		30.18	"	"	"		"	"		
10				"	6-7		30.16	51	"	52		"	"		
11				"	7-8		30.12	52	"	51		"	"		
Noon				"	7-9		30.18	"	"	"		"	"		

Distance run by Log since preceding Noon		knots		fathoms.
Latitude by D. R. at Noon		°	'	"
Longitude by D. R. at Noon		°	'	"
Latitude by Observations at Noon ⊕		°	'	"
Longitude by Chronometer from Forenoon Observations ⊕		°	'	"
Current during the time	knots		fms. per hour, setting to the	
Variation of the Compass by Amplitude ⊕ observed at Sunrise		°	"	"
Variation of the Compass by Azimuth ⊕ observed at		°	"	"
Water expended during the preceding 24 hours				221 gallons
Water Condensed during the preceding 24 hours				450 "
Water remaining on hand fit for me at Noon				2190 "
Coal consumed during the preceding 24 hours	3	tons	220	lbs.
Coal remaining on hand at Noon	124	"	1470	"

P.M.															
1			E by N	7-9		30.06	53	51	52		org	Nimb			
2			E	"		30.02	"	52	53		"	"			
3			ENE	"		"	"	"	54		"	"			
4			"	"		"	"	"	"		"	"			
5			"	5-6		"	54	53	"		"	"			
6			NE by N	"		"	55	54	"		"	"			
7			"	4-5		30.01	"	"	"		"	"			
8			"	"		"	54	"	55		"	"			
9			"	"		"	53	"	"		or	"			
10			"	"		"	"	51	50		"	"			
11			"	"		"	"	"	"		"	"			
Mid.			"	4-6		"	"	"	"		OC	"			

Longitude by Chronometer from Afternoon Observations ⊕		°	'	"
Longitude by Chronometer Observations]		°	'	"
Variation of the Compass by Amplitude observed at Sunset		°	'	"
Variation of the Compass by at		°	'	"

under the command of Commander W. Scott Schley
Monday November 20th, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast and stormy. Blowing a strong Easterly gale with heavy squalls. Barometer falling. Swung to the flood tide at 12.30. Fires banked.

(Signed) J. T. Sullivan
Lieut.

From 4 to 8 A.M. Overcast. Rainy. Cool. Fluck [fluctuating barometer]. Disagreeable. Blowing a moderate N.E. gale. Slack water at 5. Swung to ebb at 5.30. Banked fires. At 5.30 braced up yards with port braces.

(Signed) Richard G. Davenport
Lieut.

From 8 to Merid. Overcast, cool, rainy; blowing a moderate gale from N.E. At 8 veered to 30 fathoms at waters edge on port chain. By order of Comdg Officer, W.W. Hess (2.C.B) and John J. Griffiths (2.CB) are declared deserters, they having been absent from the ship ten days without leave. At 8.30 spread fires under six boilers. At 9.40 blowing a gale, ship dragging, let go starboard anchor and veered to 30 fathoms chain. Steamed ahead and hove up both anchors. Sent down top gallant masts. At 11.45 let go starboard anchor and veered to 30 fathoms of chain. Catted and fished port anchor. At 11.55 slack water.

(Signed) J. K. Cogswell
Lieut.

From Merid. to 4 P.M. Overcast. Moderate gale with heavy rain squalls from N.E. At 3.30 ship dragged and sheered inshore. Let go port anchor, veered to 25 fathoms, counter braced yards. Banked fires. At 3.50 spread fires. Latter part of watch engaged in clearing hawse. Riding across weather flood.

(Signed) Richard G Davenport
Lieut.

From 4 to 8 P.M. Overcast. Moderate gale from N.E. Moderating. During first part of watch cleared port anchor. At 5.30 swung to ebb tide. At 6.15 moored ship. 45 fathoms on each chain.

(Signed) J. K. Cogswell
Lieut.

From 8 to Midnight. Overcast. Rainy. Cool. Disagreeable. Blowing in fresh squalls from N. and E. Riding to ebb. Clear hawse. Banked fires.

(Signed) Richard G. Davenport
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Off Philadelphia Pa

Hour.	Knots.	Fathoms.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prog. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.															
1			E by N	6-8		29.98	51	51	51		org	Nimb	0		
2			"	"		29.96	"	"	"		"	"	"		
3			"	7-9		29.94	"	"	"		"	"	"		
4			"	"		29.92	"	"	"		"	"	"		
5			NE	8-9		29.91	"	"	"		"	"	"		
6			"	"		29.89	"	"	"		"	"	"		
7			"	7-8		29.87	"	"	"		"	"	"		
8			"	7		29.85	"	"	"		"	"	"		
9			"	8-9		29.84	52	"	52		"	"	"		
10			"	"		29.82	53	"	"		"	"	"		
11			"	9-10		29.80	"	"	53		"	"	"		
Noon			"	8-9		29.74	"	52	"		"	"	"		
Distance run by Log since preceding Noon										knots		fathoms.			
Latitude by D. R. at Noon										o	'	"			
Longitude by D. R. at Noon										o	'	"			
Latitude by Observations at Noon ⊕										o	'	"			
Longitude by Chronometer from Forenoon Observations ⊕										o	'	"			
Current during the time										knots		fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊕ observed at Sunrise										o	'	"			
Variation of the Compass by Azimuth ⊕ observed at										o	'	"			
Water expended during the preceding 24 hours												221 gallons			
Water during the preceding 24 hours														"	
Water remaining on hand fit for me at Noon												2555		"	
Coal consumed during the preceding 24 hours										5	tons	1770	lbs.		
Coal remaining on hand at Noon										180	"	1240	"		
P.M.															
1			NE	6-8		29.70	54	53	53		org	Nimb			
2			"NE by E	6-9		29.68	"	52	52		"	"			
3			"	8-9		29.72	"	"	"		"	"			
4			NE	"		29.40	"	"	53		"	"			
5			"	"		"	"	"	52		"	"			
6			"	6-8		"	55	"	51		"	"			
7			"	7		29.78	"	51	50		"	"			
8			"	4-6		"	"	50	"		"	"			
9			"	"		"	52	49	"		"	"			
10			"	3-6		"	51	50	"		"	"			
11			NNE	"		29.79	50	"	"		"	"			
Mid.			N by E	"		29.8	"	"	"		"	"			
Longitude by Chronometer from Afternoon Observations ⊕										o	'	"			
Longitude by Chronometer Observations]										o	'	"			
Variation of the Compass by Amplitude observed at Sunset										o	'	"			
Variation of the Compass by at										o	'	"			

under the command of Commander W. Scott Schley
Tuesday November 21st, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather overcast, rainy first part of watch. At 12.45 swung to flood. Clear hawse. At 1.30 wind came out from N.W. Squally cool.

(Signed) J. K. Cogswell
Lieut.

From 4 to 8 A.M. Overcast first part of watch, clear and cool latter part. Swung to ebb at 5. Banked fires under all main boilers. Clear hawse at end of watch. Wind gradually hauled from N.N.W. to N.N.E. fresh breeze.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Merid. Overcast and cool. Riding to ebb. At 8.45 "Plymouth" made general signal 6144, answered, sent up topgallant masts, crossed topgallant yards. At 9.50 pilot came aboard. At 10 brought to on starboard chain. At 10.15 called all hands unmoor ship, hove up starboard anchor. At 11 called all hands up anchor. Got underway. At 11.10 made general signal 4890. "Plymouth" answered 904. By order of Comdg Officer Thoe G Wille (2.C.B.) was declared deserter from this date. Draught of ship: Forward 14 feet. Amidships 15 feet 2 in. Aft 16 feet 3 in. Ebb tide.

(Signed) Richard G. Davenport
Lieut.

From Merid. to 4 P.M. Overcast and raining first part of watch, overcast latter part. At 1.20 passed Chester. At 1.40 made all fore and aft sail. At 3.30 took in all fore and fore and aft sail. Steaming down the Delaware river during watch. Average pressure of steam 74 lbs. Revolutions 52. Temp coal bunker 96°.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 6 P.M. Overcast. At 5 came to anchor, 30 fathoms on port chain in 4 1/2 fathoms water. At 5 mustered at quarters. Banked fires. Bearings at anchor. Duck Creek Light bore S by W. Reedy Island Light N by W 1/2 W. Ship "John" S.E. Gave J. Hallisey (2.C.B.) two hours extra duty for shirking. John Hughes and Francis Giles (Lds E.F.) and Robt McGuckin (2.C.B) one hour on quarter deck with lashed hammocks for late hammocks.

(Signed) J. T. Sullivan
Lieut.

From 6 to 8 P.M. Weather cloudy and cool. Light W[ester]ly breeze. Riding to ebb. Steam pressure 45 lbs. Temp coal bunkers 76°. Distilling.

(Signed) J. K. Cogswell
Lieut.

From 8 to Midnight. Overcast. Gloomy. Cool. Disagreeable. Light W[ester]ly breeze. Nimb clouds. Banked fires Slack water at 10. Swung to flood at 11.

(Signed) Richard G. Davenport
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Off Philadelphia Pa.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prog. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A.M.															
1				N	2-4		29.84	47	48			or	Nimb	0	
2				MW	"		29.85	"	"			og	"	"	
3				"	2-5		"	"	"			"	"	"	
4				"	"		"	"	"			"	"	"	
5				NNW	3-5		29.86	49	"			"	"	"	
6				N	"		29.88	"	"			"	"	"	
7				NNE	"		29.94	"	"			bc	Nimb Cum	"	
8				"	"		29.98	"	"			"	"	"	
9				"	"		"	"	"			"	"	"	
10				"	3-4		30.02	51	51			Or	"	"	
11				NE by N	3-5		"	52	"			"	Nimb	"	
Noon				NE	2-3		"	"	53			"	"	"	

Distance run by Log since preceding Noon		knots		fathoms.
Latitude by D. R. at Noon		o		"
Longitude by D. R. at Noon		o		"
Latitude by Observations at Noon ⊕		o		"
Longitude by Chronometer from Forenoon Observations ⊕		o		"
Current during the time	knots		fms. per hour, setting to the	
Variation of the Compass by Amplitude ⊕ observed at Sunrise		o		"
Variation of the Compass by Azimuth ⊕ observed at		o		"
Water expended during the preceding 24 hours				221 gallons
Water Condensed during the preceding 24 hours				143 "
Water remaining on hand fit for me at Noon				2190 "
Coal consumed during the preceding 24 hours	5	tons	690	lbs.
Coal remaining on hand at Noon	113	"	1250	"

P.M.															
1				NE	3-4		30.30	52	51	51		or	Nimb	0	
2				NW	"		"	53	52	52		"	"	"	
3				NW by W	2-3		"	"	51			o	Cum	"	
4				"	"		"	"	"			oc	Cir Cum	3	
5				NE	"		30.02	55	55	55		"	"	"	
6				"	1		"	56	54	"		"	"	0	
7				N	2		30.03	"	"	54		bc	Cum	1	
8				W	"		"	"	"			"	"	"	
9				"	1		30.02	55	55	55		og	Nimb"	0	
10				"	"		"	"	"			"	"	"	
11				"	"		"	"	"			"	"	"	
Mid.				"	"		"	"	"			"	"	"	

Longitude by Chronometer from Afternoon Observations ⊕		o		"
Longitude by Chronometer Observations]		o		"
Variation of the Compass by Amplitude observed at Sunset		o		"
Variation of the Compass by at		o		"

under the command of Commander W. Scott Schley
Wednesday November 22nd, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast. Calm. Ship swung to ebb at 3.45. Banked fires.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 A.M. Overcast, light drizzling rain first part of watch, cloudy latter part. Light S.E[aster]ly airs. Swung to ebb at 4.45. Spread fires at 5.15. Brought to on port chain at 5.30. Turned engine over at 5.40. Got underway at 6.45 and stood down the Delaware. Steam pressure 60 lbs. Revolutions 46. Temp of bunker 94°.

(Signed) J. T. Sullivan
Lieut.

From 8 to Merid. Clear and cool. Light breeze from S and E. Steam pressure 62 lbs Revolutions 49.8. Temp of bunkers 98°. Standing out of Delaware Bay under direction of pilot. Set course S by E 3/4 E by standard compass.

(Signed) J. K. Cogswell
Lieut.

From Merid. to 4 P.M. At 12.25 took departure. Cape Henlopen Light bore (pc) W. distant 3 1/2 miles. Put patent log overboard. At 1.25 secured guns for sea. At 1.30 two cans preserved meat, contractor W.K. Leive & Co 1873, suspicious J. C. Eldridge N.Y. 1873 were condemned to be thrown overboard. At 1.35 stopped engine to key up. At 1.40 secured the anchors. At 1.55 started engine. The effects of the following named deserters were sold at public auction. J. Bulleue (B) John Gabel (Boy) R. P. Wilkings (B) Theo G. Witte (B) F. N. Cole (B) John Kaiser (B) and W. H. Hess (B). By order of Comdg Officer G. W. Kahn (B) is declared a deserter, he having been absent from the ship ten days without leave. Steaming under six boilers. Steam pressure 63 lbs. Revolutions 47. Temp of bunkers 105°. At 3 changed course S by E. At 3.20 changed course to S.S.W. At end of watch Fenwich Light bore N.W. 1/2 W. At 12.20 pilot left ship.

(Signed) Richard G. Davenport
Lieut.

From 4 to 6 P.M. Clear and cool. At 4.30 called all hands and sent down topgallant yards. At sundown mustered at quarters. Steam pressure 63 lbs Revolutions 47. Temp of bunker 105°.

(Signed) Wainwright Kellogg
Lieut.

From 6 to 8 P.M. Clear and cool. Light breeze from S and W. At 6.15 sighted Asatague Light and Winter Quarter Shoal Lightship. At 8 Asatague bore W by N 1/2 N and Winter Quarter Shoal Lightship bore N. Average steam pressure 56 3/4 lbs Revolutions 41-8. Temp of bunkers 96°.

(Signed) J.T. Sullivan, Lieut.

From 8 to Midnight. Clear and pleasant. Light W[ester]ly breeze. Moon set at 10.30. Passed usual small sail. Altered course twice to avoid vessels. Steam pressure 62 lbs. Revolutions 47. Temp of bunkers 95°.

(Signed) J. K. Cogswell, Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at ft. d.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1		At anchor in Delaware Bay		Calm			30.03	55	53	54		o	Cum			
2				"		"	"	"	"	"	"	"	"			
3				"		"	"	"	"	"	"	"	"			
4				"		"	"	"	"	"	"	"	"			
5				SE	1		30.04	"	52	52		od	Cum Nimb	0		
6				"	"		30.06	"	"	"		"	"	"		
7				"	2		30.08	"	"	"		o	"	"		Under steam
8				"	"		30.10	52	"	"		bc	"	1		
9		Steaming down Delaware Bay		"	"			53	"	"		"	"	3		
10				"	"		"	54	54	52		"	"	4		
11				"	"		30.08	"	"	"		"	"	"		
Noon				"	"		"	55	54	54		"	"	"		

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	0	1	11
Longitude by D. R. at Noon	0	1	11
Latitude by Observations at Noon ⊕	0	1	11
Longitude by Chronometer from Forenoon Observations ⊕	0	1	11
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ⊕ observed at Sunrise	0	11	11
Variation of the Compass by Azimuth ⊕ observed at	0	11	11
Water expended during the preceding 24 hours			221 gallons
Water			11
Water remaining on hand fit for me at Noon			2221 11
Coal consumed during the preceding 24 hours	10	tons	560 lbs.
Coal remaining on hand at Noon	103	11	690 11

P.M.												
1	4		S by E 3/4 E	SE	3	30.08	53	53	54	bc	Cum Nimb	3
2	4		"	"	"	" ^s	"	54	55	"	"	"
3	7		"	SSE	"	" ^s	"	55	56	"	"	4
4	2 5	2 6	S by E SSW	SSW	"	30.09	56	56	"	"	"	"
5	7	6	SSW	SW by S	5	30.10	"	"	54	"	Cum ste	8
6	7		"	"	"	30.12	"	55	"	"	ste	9
7	7	4	"	W by S	4	" ^s	57	56	56	"	Cum ste	"
8	7	4	SW 3/4 S	"	"	30.14	56	"	"	"	"	"
9	7	4	"	"	"	30.12	"	"	54	"	"	"
10	7	2	"	"	"	" ^s	"	"	"	"	"	"
11	7		"	"	"	" ^s	"	"	"	"	"	"
Mid.	8	2	"	"	"	" ^s	"	"	"	"	"	"

Longitude by Chronometer from Afternoon Observations \oplus	0	4	11
Longitude by Chronometer Observations]	0	4	11
Variation of the Compass by Amplitude observed at Sunset	0	4	11
Variation of the Compass by at	0	4	11

under the command of Commander W. Scott Schley
Thursday November 23rd, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear. Cool. Damp. Light S.W. by S breeze. Bright starlight. At 12.30 made Cape Charles Light bearing (pc) SW by W 1/2 W. At 1.15 passed a steamer bound to N. At 2.25 stopped engine, got a cast of lead 7 1/2 fathoms. At 2.30 started engine four bells. At 2.30 changed course to WSW. At 2.48 stopped engine, got 8 fathoms. At 2.52 started ahead four bells. Passed several sail bound to N. At 2.30 hauled in patent log which showed 58 3/4 miles, reset it. At 3.17 stopped engine got 7 1/2 fathoms water. At 3.20 started ahead one bell. At 3.23 changed course to W. At 3.25 a dense fog set in shutting out Cape Charles Light. At 3.30 stopped engine. At 3.35 came to anchor with starboard anchor in 5 1/4 fathoms water, veering to 30 fathoms chain. Average steam 66 lbs. Average revolutions 49. Temp in bunkers 96°. Started the fog bell.

(Signed) Richard G Davenport
Lieut.

From 4 to 8 A.M. Thick fog until 7 when fog lifted. At 7.15 hove up starboard anchor and stood for a pilot boat which was in sight. At 8 Hampton pilot came on board. Sighted Cape Henry at 8. Stood in for Hampton Roads. Average steam pressure 75 lbs. Temp of bunkers 96°.

(Signed) Wainwrigg Kellogg
Lieut.

From 8 to Merid. Clear and pleasant. At 8.30 secured guns for port. During first part of watch engaged in getting ship ready for port. At 10.20 hoisted ships no. [number], made signal for permission to anchor. At 11 stopped abreast of Flagship. The Comdg Officer left the ship to pay official visit on board Flagship. At 11.25 started ahead and steamed up for Navy Yard at Norfolk. At 12 made ship no. Average steam pressure 70 1/4 lbs. Revolutions 51-1. Temp of bunkers 90°. Draft 13 feet 5 in forward. 14 feet 9 in Amidships. 16 feet aft.

(Signed) J.T. Sullivan
Lieut.

From Merid. to 4 P.M. Overcast and cool. At 12.35 let go starboard anchor veering to 15 fathoms. Hove up starboard anchor and hauled alongside wharf. Moored. At 2.15 loosed sail today. At 3.55 shortened sail. Draught forward 13 feet 5 in. Amidships 14 feet 9 in. Aft 15 feet 11 1/2 in. Fires hauled except No. 5 and 7. Made preparations for coaling.

(Signed) J. K. Cogswell
Lieut.

From 4 to 8 P.M. Overcast and cool. Light breeze from N and E with rain. At 4.15 furled sail. At 4.45 mustered at quarters. Fire hauled except two boilers.

(Signed) Richard G. Davenport
Lieut.

From 8 to Midnight. Cloudy and light rain first part of watch. Clear and cool latter part with light N. airs.

(Signed) J. T. Sullivan
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns,
Standing in for Hampton Roads Va.

Hour.	WINDS.					BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1	9		SW 3/4 S	SW by S	2		30.43	57	57	57		bou		10	S	Steam
2	9	2	"	"	"	"	"	"	"	"	"	"	"	"	"	"
3	4	2	WSW	"	"	"	"	"	"	"	"	"	"	"	"	"
4	2	2		"	"	"	"	"	"	"		bf		"	"	"
5			At anchor	"	"		30.15	55	55	54		f		"	"	
6				"	"		30.18	52	52	53		"		"	"	
7				"	"		30.20	51	51	51		"		"	"	
8				"	"		"	"	"	"		bcm	Cir Cum	"	"	
9				"	"		30.19	53	53	52		"	"	4	"	
10				"	"		"	"	"	53		"	"	6	"	
11				NW	"		30.15	58	55	54		"	"	"	"	
Noon				N	"		30.12	"	58	58		"	"	"	"	

Distance run by Log since preceding Noon	knots		fathoms.	
Latitude by D. R. at Noon	0		"	
Longitude by D. R. at Noon	0		"	
Latitude by Observations at Noon ⊕	0		"	
Longitude by Chronometer from Forenoon Observations ⊕	0		"	
Current during the time	knots	fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊕ observed at Sunrise	0		"	"
Variation of the Compass by Azimuth ⊕ observed at	0		"	"
Water expended during the preceding 24 hours				221 gallons
Water Condensed during the preceding 24 hours				365 "
Water remaining on hand fit for me at Noon				2555 "
Coal consumed during the preceding 24 hours	6	tons	1960	lbs.
Coal remaining on hand at Noon	96	"	970	"

P.M.									
1	N by E	1-2	30.40	59	58	58	o	Cum Nimb	0
2	NNE	"	"	57	54	54	"	"	"
3	"	2	"	56	53	"	"	"	"
4	"	"	30.12	54	"	53	"	"	"
5	N by W	"	30.10	"	54	54	"	Cum	"
6	"	"	"	55	53	"	"	"	"
7	NNW	"	"	56	56	"	"	"	"
8	"	1	30.09	55	58	55	"	"	"
9	"	"	"	54	54	54	or	"	"
10	N	"	"	53	52	52	"	"	"
11	"	2	"	52	51	51	bc	Cum	4
Mid.	"	"	30.10	50	49	49	"	"	6

Longitude by Chronometer from Afternoon Observations ⊕	0	'	"
Longitude by Chronometer Observations]	0	'	"
Variation of the Compass by Amplitude observed at Sunset	0	'	"
Variation of the Compass by at	0	'	"

under the command of Commander W. Scott Schley
Friday November 24th, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather cool and overcast, wind from the N and squally.

(Signed) J.K. Cogswell
Lieut.

From 4 to 8 A.M. Clear. Cool. Pleasant. Moderate breeze and fresh squalls from N.W. At 7
loosed sail. At 7.10 commenced coaling. Banked fires under two boilers.

(Signed) Richard G. Davenport
Lieut.

From 8 to Merid. Clear and pleasant, cool. Engaged during watch in coaling ship. At 9.15
shortened sail. Banked fires under two boilers. Average steam pressure 25 lbs. Received 55
tons of coal.

(Signed) Wainwright Kellogg
Lieut.

From Merid. to 4 P.M. Clear and cool. Light breeze from N and E. At 3 unbent topgallant sails
and stowed them below. Engaged during watch in receiving coal, wood and provisions. Banked
fires in two boilers. Average steam pressure 30 lbs. Received on board stove for Pay
Department Viz. 130 bags bread, 10 barrels pork, 4 half barrels beef, 10 boxes preserved meat,
2 kegs pickles, 7 barrels sugar, 10 boxes coffee, 1 barrel butter, 4 half barrels beans, 1 barrel
molasses, 1 barrel vinegar, 7 boxes candles. Clothing – two bales flannel, 1 bale blue cloth.
Small stove. 3 boxes tobacco. 4 boxes soap. 1 box wisk brooms - 24 doz. E.B. medium, 24 E.B.
small. 5 mess kettles. 2 iron safes.

(Signed) J. T. Sullivan
Lieut.

From 4 to 8 P.M. Clear cool and calm. At 4.30 furled sail. Banked fires. Average steam
pressure 27 lbs.

(Signed) J. K. Cogswell
Lieut.

From 8 to Midnight. Weather clear and pleasant. Bright moonlight. Calm.

(Signed) Wainwright Kellogg
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Navy Yard Norfolk Va.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prog. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.															
1			N	3-5		30.42	46	44	43		oqm	Nimb	0		
2			"	"		"	"	"	"		"	"	"		
3			"	"		"	"	"	"		"	"	"		
4			"	3		"	"	"	"		"	"	"		
5			NW	3-5		30.30	45	"	44		bq	"	10		
6			"	"		"	44	43	43		"	"	"		
7			"	"		"	"	"	"		"	"	"		
8			"	"		"	"	"	"		"	"	"		
9			"	"		30.32	46	44	44		bc	Cum	8		
10			"	"		"	"	"	"		"	"	9		
11			"	3-4		30.30	47	45	45		"	"	"		
Noon			NW by N	"		30.28	48	46	46		"	Cir Cum	"		
Distance run by Log since preceding Noon															
										knots	fathoms.				
Latitude by D. R. at Noon										o	"	"	"	"	"
Longitude by D. R. at Noon										o	"	"	"	"	"
Latitude by Observations at Noon ⊕										o	"	"	"	"	"
Longitude by Chronometer from Forenoon Observations ⊕										o	"	"	"	"	"
Current during the time										knots	fms. per hour, setting to the				
Variation of the Compass by Amplitude ⊕ observed at Sunrise										o	"	"	"	"	"
Variation of the Compass by Azimuth ⊕ observed at										o	"	"	"	"	"
Water expended during the preceding 24 hours										221 gallons					
Water Condensed during the preceding 24 hours										365 "					
Water remaining on hand fit for me at Noon										2555 "					
Coal consumed during the preceding 24 hours										1	tons	510	lbs.		
Coal remaining on hand at Noon										153	"	460	"		
P.M.															
1			NNW	3		3022	49	48	48		bc	Cir Cum	9		
2			"	"		"	"	"	49		"	"	"		
3			N by W	2-3		30.20	50	49	50		"	Cir	"		
4			N	"		"	59	48	58		"	"	"		
5			Calm	0		"	52	"	48		"	Cir ste	"		
6			"	"		30.23	51	"	49		"	"	"		
7			"	"		30.24	50	46	46		"	"	8		
8			"	"		"	48	"	"		"	"	7		
9			"	"		30.22	45	45	45		"	"	"		
10			"	"		"	"	"	"		"	"	8		
11			"	"		"	"	"	"		"	"	7		
Mid.			"	"		"	"	"	"		"	"	4		
Longitude by Chronometer from Afternoon Observations ⊕										o	"	"	"	"	"
Longitude by Chronometer Observations]										o	"	"	"	"	"
Variation of the Compass by Amplitude observed at Sunset										o	"	"	"	"	"
Variation of the Compass by at										o	"	"	"	"	"

under the command of Commander W. Scott Schley
Saturday November 25th, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and cold. Calm.

(Signed) J.T. Sullivan
Lieut.

From 4 to 8 A.M. Cloudy and calm. Cool. Steam pressure 25 lbs. Distilling

(Signed) J. K. Cogswell
Lieut.

From 8 to Merid. Cool. Overcast. Damp. Calm. Cir cum clouds. At 9 J Bulleue (B) declared a deserter returned on board ship. Steam on two boilers.

(Signed) Richard G. Davenport
Lieut.

From Merid. to 4 P.M. Clear, cool and calm. At 1 o'clock sent gig ashore to be scrubbed. During watch crew engaged in shifting port anchor.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 P.M. Clear and cool. Engaged in getting anchor aboard. At 4 mustered at quarters and secured battery.

(Signed) J. T. Sullivan
Lieut.

From 6 to Midnight. Clear. Cool. Pleasant. Calm. Bright moonlight. Steam in two boilers

(Signed) Richard G. Davenport
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns,
Navy Yard Norfolk Va.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1				Calm	0		30.45	42	42	47		bc	Cir ste	2		
2				"	"		"	"	41	"		"	"	"		
3				"	"		30.43	"	"	"		"	"	"		
4				"	"		"	"	42	"		"	"	"		
5				"	"		30.18	"	44	41		"	"	3		
6				"	"		30.45	"	"	"		"	"	2		
7				"	"		"	"	"	"		"	"	"		
8				"	"		30.13	"	"	"		"	"	3		
9				"	"		30.12	47	48	48		"	"	"		
10				"	"		"	49	49	50		"	"	"		
11				"	"		30.08	51	"	"		"	"	2		
Noon				"	"		30.04	"	50	51		"	"	1		

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	0	4	41
Longitude by D. R. at Noon	0	4	41
Latitude by Observations at Noon ⊕	0	4	41
Longitude by Chronometer from Forenoon Observations ⊕	0	4	41
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ⊕ observed at Sunrise	0	41	41
Variation of the Compass by Azimuth ⊕ observed at	0	41	41
Water expended during the preceding 24 hours			221 gallons
Water during the preceding 24 hours			41
Water remaining on hand fit for me at Noon			2190 41
Coal consumed during the preceding 24 hours	1	tons	180 lbs.
Coal remaining on hand at Noon	150	41	790 41

P.M.									
1	Calm	0	30.02	52	50	52	bc	Cir Cum	4
2	"	"	29.98	"	52	53	"	"	3
3	"	"	29.96	53	54	"	"	"	2
4	"	"	"	"	"	"	"	"	"
5	"	"	"	54	53	54	"	"	4
6	"	"	"	"	"	"	"	"	"
7	"	"	29.94	53	49	50	"	"	"
8	"	"	"	"	48	"	"	"	"
9	"	"	"	51	47	47	b	"	"
10	"	"	29.95	50	45	43	"	"	10
11	"	"	29.92	49	44	44	"	"	"
Mid.	"	"	"	48	"	"	"	"	"

Longitude by Chronometer from Afternoon Observations \oplus	0	'	"
Longitude by Chronometer Observations]	0	'	"
Variation of the Compass by Amplitude observed at Sunset	0	'	"
Variation of the Compass by at	0	'	"

under the command of Commander W. Scott Schley
Sunday November 26th, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear first part of watch, overcast latter part. Cold and calm.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 A.M. Cloudy and cold. Norfolk pilot came on board at 6 o'clock. Started fires under port boilers at 8 o'clock.

(Signed) J. T. Sullivan
Lieut.

From 8 to Merid. Overcast and cold, strong N.W. breeze. Post Asst Surgeon A.M. Moon reported for duty as relief of Post Asst Surgeon W. B. Davis, who left the ship. At 9 o'clock crossed topgallant yards. At 9.45 inspected crew at quarters. At 11 o'clock got underway under steam, standing out for Hampton Roads under direction of pilot.

(Signed) J. K. Cogswell
Lieut.

From Merid. to 4 P.M. Cloudy. Cool. Pleasant. Fresh N.W. breeze. At 12.45 hoisted distinguishing pennant and made interrogatory signal 1211. Flagship answered with Army Code. At 1 o'clock came to with port anchor in Hampton Roads in 12 fathoms of water, veering to 45 fathoms of chain. Rip Raps bearing (pc) ESE. Old Point Comfort Light NE 1/2 N. At 1.15 the Captain paid official visit to the flagship. At 1.30 pilot left the ship. At 1.50 slack water. Riding to windward flood tide. At 1.50 hauled fires under four main boilers. Draft 14 feet 2 in forward. 15 in [feet] amidships. 16 feet aft.

(Signed) Richard G Davenport
Lieut.

From 4 to 8 P.M. Cloudy and cold. At 4.30 "Hartford" made signal 2985. At 4.35 sent down topgallant yards and housed topgallant masts. At 5.35 slack water. All five banked except in two furnaces. Ship riding across wind and tide.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Midnight. Weather clear and cool. Light NW breeze. Tide turned to ebb at 11. Bright moonlight.

(Signed) J. K. Cogswell
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Navy Yard Norfolk Va.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.	Leeway.	Height in inches.	Ther. at't d.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1				Calm			29.90	42	41	41		bc	Cir Cum	7		
2				"			"	"	"	"		"	"	"		
3				"			"	"	"	"		o	"	"		
4				"			"	"	"	"		"	"	"		
5				"			29.88	42	"	"		c	Cum	0		
6				SW	1		29.86	43	42	42		"	"	"		
7				"	"		29.84	45	43	32		"	"	"		
8				"	2		29.82	48	49	48		bc	"	"		
9				"	"		29.84	"	"	"		"	Cum Nimb	1		
10				"	1-2		"	"	"	"		"	"	2		
11				WSW			29.82	50	48	49		"	"	5		
Noon				"	4-6		"	48	48	44		oq	"	1		

Distance run by Log since preceding Noon		knots		fathoms.
Latitude by D. R. at Noon		o		"
Longitude by D. R. at Noon		o		"
Latitude by Observations at Noon ⊕		o		"
Longitude by Chronometer from Forenoon Observations ⊕		o		"
Current during the time	knots		fms. per hour, setting to the	
Variation of the Compass by Amplitude ⊕ observed at Sunrise		o		"
Variation of the Compass by Azimuth ⊕ observed at		o		"
Water expended during the preceding 24 hours				221 gallons
Water Condensed during the preceding 24 hours				"
Water remaining on hand fit for me at Noon				2190 "
Coal consumed during the preceding 24 hours	2	tons	640	lbs.
Coal remaining on hand at Noon	148	"	100	"

P.M.															
1			NW	4-6			29.80	47	47	45		oq	Cum Nimb	1	
2			"	"			"	46	46	48		bc	"	"	
3			"	"			29.81	47	48	47		"	"	"	
4			"	"			29.82	"	47	48		"	"	2	
5			"	6-1			29.86	"	44	44		rsq	"	3	
6			"	4-6			29.88	48	50	48		sq	"	8	
7			WNW	2			29.89	47	44	45		bc	"	2	
8			"	3			29.94	46	45	43		"	"	6	
9			NW	"			29.94	46	45	43		"	Cum	5	
10			"	"			29.95	"	44	"		"	"	"	
11			"	"			"	48	48	"		"	"	"	
Mid.			"	"			"	"	44	"		"	"	"	
Longitude by Chronometer from Afternoon Observations ⊕												o	"	"	
Longitude by Chronometer Observations												o	"	"	
Variation of the Compass by Amplitude												o	"	"	
Variation of the Compass by												o	"	"	

under the command of Commander W. Scott Schley
Monday November 27th, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear. Cool. Pleasant. Moderate N.W. breeze. Bright starlight. Slack water at 1. Swung to flood at 1.30. Steam in two boilers. Commenced distilling at 2. Moon set at 2.20.

(Signed) Richard G. Davenport
Lieut.

From 4 to 8 A.M. Clear cool and pleasant. Moderate breeze from S. and W. Steam in two boilers. Swung to ebb at 7.30. By order of Comdg Officer F. N. Cole (2.C.B.) is declared a deserter, he having been absent from the ship ten days without leave.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Merid. Overcast and cool. At 9 sent up topgallant masts and crossed topgallant yards, and loosed sail. At 9.45 at quarters and exercised divisions. Flagship signaled 3247. At 11.30 furled sail.

(Signed) J.T. Sullivan
Lieut.

From Merid. to 4 P.M. Weather cool and with drizzling rain in latter part of watch. At 2.20 made signal interrogatory 4881. Flagship answered and made signal 904. Slack water at 2.40. Exercised at serving and equipping boats. Sold deserters clothing at auction, realized \$20 (twenty dollars). Fresh N.W. breeze. Tide turned flood at 3.

(Signed) J. K. Cogswell
Lieut.

From 4 to 8 P.M. Overcast and squally, rainy. Fresh WNW breeze. At 4.35 Flagship made general signal 5109. At sunset sent down topgallant yards and housed topgallant masts. At 5 Flagship made general signal 4881. At 5.30 served out clean hammocks. Slack water at 5.45. Riding to ebb. Steam in two boilers. Condensing.

(Signed) Richard G. Davenport
Lieut.

From 8 to Midnight. Clear and pleasant. Light breeze from the W.

(Signed) J. T. Sullivan
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns,
Hampton Roads Va.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
				Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A.M.															
1				NW	3		29.95	45	44	43		b	Cum	10	
2				"	"		29.96	"	43	"		bc	"	"	
3				"	"		"	"	"	"		"	"	"	
4				"	"		"	"	"	"		"	"	"	
5				SW	"		29.30	"	42	42		"	"	9	
6				"	"		"	43	41	41		"	"	7	
7				"	"		"	"	"	"		"	"	5	
8				"	"		"	46	"	"		"	"	4	
9				S	3-4		29.96	"	44	44		"	Cum Nimb	2	
10				"	"		"	"	"	"		"	"	"	
11				S by E	"		29.90	48	46	46		"	"	1	
Noon .				S by W	4		29.80	50	49	50		"	"	4	

Record of the sail the vessel is
under at end of watch.

Distance run by Log since preceding Noon	knots		fathoms.	
Latitude by D. R. at Noon	0		"	
Longitude by D. R. at Noon	0		"	
Latitude by Observations at Noon ⊕	0		"	
Longitude by Chronometer from Forenoon Observations ⊕	0		"	
Current during the time	knots	fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊕ observed at Sunrise	0		"	"
Variation of the Compass by Azimuth ⊕ observed at	0		"	"
Water expended during the preceding 24 hours				221 gallons
Water Condensed during the preceding 24 hours				400 "
Water remaining on hand fit for me at Noon				2190 "
Coal consumed during the preceding 24 hours	1	tons	1960	lbs.
Coal remaining on hand at Noon	146	"	400	"

P.M.									
1	SW	3	29.70	53	54	54	bc	Cum Nimb	3
2	WSW	"	29.72	56	56	56	or	"	"
3	W	4	"	55	55	55	orq	"	2
4	WNW	4-6	29.76	53	53	54	"	"	0
5	"	"	29.80	55	55	55	"	"	"
6	W	"	29.87	54	52	52	oq	"	2
7	"	4	29.86	"	"	"	"	"	1
8	"	"	29.88	"	"	"	"	"	"
9	"	3	29.90	"	51	51	bc	"	3
10	"	2	29.92	"	"	"	"	"	6
11	"	"	29.94	53	50	50	"	"	8
Mid.	"	"	29.98	"	"	"	"	"	9

Longitude by Chronometer from Afternoon Observations	0	'	"
Longitude by Chronometer Observations	0	'	"
Variation of the Compass by Amplitude	0	'	"
observed at Sunset	0	'	"
Variation of the Compass by	0	'	"
at	0	'	"

under the command of Commander W. Scott Schley
Tuesday November 28th, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather overcast and cool. Calm. Tide turned flood at 1.45.

(Signed) J. K. Cogswell
Lieut.

From 4 to 8 A.M. Overcast. Damp. Cool. Disagreeable. Calm. Cum nimb clouds. At 7.30
Flagship made general signal 3350. Slack water at 8. Steam in two boilers. Distilling.

(Signed) Richard G. Davenport
Lieut.

From 8 to Merid. Overcast, damp and cool. At 9 Flagship made general signal 3249 and 6141.
At 9 fidded topgallant masts and swayed topgallant yards up and down the masts. Swung to
ebb at 8.30. At 9.40 inspected at quarters. 1st and 2nd divisions exercised at great guns. Masters
and Powder divisions at facings. Steam in two boilers.

(Signed) Wainwright Kellogg
Lieut.

From Merid. to 4 P.M. Overcast, rainy cool. During the watch engaged in scraping blocks. At
3.10 slack water. At 3.40 Flagship signaled (Army Code) reef hammocks. At 3.50 ship swung to
flood tide.

(Signed) J. T. Sullivan
Lieut.

From 4 to 8 P.M. Overcast, damp, cool and rainy. At 5 mustered at quarters. Riding to flood.
Steam in two boilers.

(Signed) J. K. Cogswell
Lieut.

From 8 to Midnight. Clear, cool and pleasant. Light W.S.W. wind. Steam in two boilers. At 8.10
slack water. At 8.30 swung to ebb.

(Signed) Wainwright Kellogg
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns,
Hampton Roads Va.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1				Calm	0		30.02	51	49	49		om	Cum Nimb	0		
2				"	"		"	51	48	48		"	"	"		
3				"	"		"	51	48	48		"	"	"		
4				"	"		"	51	48	48		"	"	"		
5				"	"		30.06	50	48	48		"	"	"		
6				"	"		30.08	49	"	"		"	"	"		
7				"	"		30.11	51	"	"		"	"	"		
8				"	"		30.14	51	"	"		"	"	"		
9				WSW	2		"	"	"	49		"	"	"		
10				"	1		"	51	"	"		"	"	"		
11				"	3		"	50	"	48		"	"	"		
Noon				SW	"		"	49	49	"		omq	"	"		

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	0	1	11
Longitude by D. R. at Noon	0	1	
Latitude by Observations at Noon ⊕	0	1	11
Longitude by Chronometer from Forenoon Observations ⊕	0	1	11
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ⊕ observed at Sunrise	0	11	11
Variation of the Compass by Azimuth ⊕ observed at	0	11	11
Water expended during the preceding 24 hours			221 gallons
Water Condensed during the preceding 24 hours			300 "
Water remaining on hand fit for me at Noon			2190 "
Coal consumed during the preceding 24 hours		tons	2200 lbs.
Coal remaining on hand at Noon	145	"	440 "

P.M.									
1	SW	2	30.13	48	47	48	or	Cum Nimb	0
2	02	02	02	0.175	48	02	02	02	02
3	02	02	02	0.175	46	02	02	02	02
4	02	02	02	0.175	02	02	02	02	02
5	02	2-3	30.14	50	48	02	02	02	02
6	02	2-4	02	49	02	02	02	02	02
7	02	2-3	02	50	02	02	02	02	02
8	02	02	02	0.175	50	50	orm	02	02
9	WSW	3	30.15	0.175	49	49	bc	Cir Cum	2
10	02	02	02	0.175	02	02	02	02	5
11	02	02	02	0.175	02	02	02	02	02
Mid.	02	02	02	0.175	02	02	02	02	02

Longitude by Chronometer from Afternoon Observations \oplus	o	'	"
Longitude by Chronometer Observations]	o	'	"
Variation of the Compass by Amplitude observed at Sunset	o	'	"
Variation of the Compass by at	o	'	"

under the command of Commander W. Scott Schley , U. S. Navy.
Wednesday November 29th, 1876.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and cold. Light N.W[ester]ly airs. Rising to the flood at 5 o'clock.

(Signed) J. T. Sullivan
Lieut.

From 4 to 8 A.M. Weather cloudy and cool. Light N.E. breeze. Riding to flood tide.

(Signed) J. K. Cogswell
Lieut.

From 8 to Merid. . Overcast. Cool. Light breeze from N. At 9.30 inspected at quarters. 1st Division exercised at single sticks. 2nd Division small arms. At 9.00 slack water. At 9.40 ship swung to ebb tide. At 11.10 Admiral visited the ship. During the watch crew engaged in scraping hocks. Steam in two boilers. At 10 hoisted num 9.

(Signed) Richard G. Davenport
Lieut.

From Merid. to 4 P.M. Overcast and cool. Riding to the ebb tide. At 1.00 Flagship made signal 3918, piped down scrubbed hammocks. At 1.30 mustered at quarters and turned in clean hammocks. Slack water at 2.30. At 3.00 ship swung to flood tide. At 3.30 sent on board "Montauk" the following named men for temporary duty. Richard Beale (Mach) Fred Cashman (I.C.F.) John McArdle (I.C.F.) Walter Carter (I.C.F.) Wm. D. Saddler (2.C.F.) Thos Curley (2.C.F.) Mick Gerry (2.C.F.) Mick Leary (C.H.) John Peat (C.H.) Jeremiah Murry (C.H.) and James Hughes (C.H.)

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 P.M. Clear cool and pleasant. Light breeze from N and E. Steam under two boilers.

(Signed) J. T. Sullivan
Lieut.

From 8 to Midnight. Cloudy. Cool. Pleasant. Fresh N.E. breeze. Cir cum clouds. Obscured moonlight. Slack water at 9.10. Swung to ebb at 10. At 11.30 U.S.S. "Huron" came down and anchored, showed distinguishing lights. Steam in two boilers. Distilling.

(Signed) Richard G. Davenport
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Hampton Roads Va.

Hour.	Knots.	Fathoms.	WINDS.		BAROMETER.		TEMPERATURE.		State of the Weather by symbols.	Forms of Clouds, by symbols.	Prog. of Clear Sky, in 10ths.	State of the Sea.
			Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.		
A.M.												
1			NNW	3		30.16	49	48	48	bc	Cum	5
2			"	2		"	"	47	47	"	"	"
3			"	"		"	49	47	47	"	"	"
4			"	"		"	47	"	"	"	"	"
5			NE	3		30.18	"	"	"	"	Cum ste	2
6			"	"		30.20	"	"	"	"	"	"
7			"	"		"	48	47	"	oc	"	0
8			"	"		"	"	48	"	"	"	"
9			N	1		30.21	49	"	49	O	Cum Nimb	"
10			"	"		30.22	"	"	50	"	"	"
11			"	2-5		30.20	50	"	"	Oq	"	"
Noon			"	3-5		"	"	"	"	"	"	"

Record of the sail the vessel is under at end of watch.

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	o	i
Longitude by D. R. at Noon	o	i
Latitude by Observations at Noon ⊕	o	i
Longitude by Chronometer from Forenoon Observations ⊕	o	i
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ⊕ observed at Sunrise	o	"
Variation of the Compass by Azimuth ⊕ observed at	o	"
Water expended during the preceding 24 hours		221 gallons
Water Condensed during the preceding 24 hours		365 "
Water remaining on hand fit for me at Noon		2190 "
Coal consumed during the preceding 24 hours	tons	2090 lbs.
Coal remaining on hand at Noon	144	590 "

P.M.												
1			N	4		30.20	49	48	48	oq	Cum Nimb	0
2			NW	2		30.18	"	"	"	or	"	"
3			NE	"		30.10	50	48	49	o	"	"
4			"	"		"	"	49	"	bc	"	3
5			"	3		30.12	"	48	50	"	"	4
6			N by W	1		"	"	"	"	"	"	2
7			NE by N	"		"	51	49	"	"	"	3
8			NNE	3		"	"	"	"	"	Cir Cum	4
9			NE	4		30.10	"	"	48	"	"	"
10			"	5		30.08	50	48	"	"	"	"
11			"	6		30.06	"	"	"	"	"	"
Mid.			"	"		30.04	"	"	"	"	"	"

Longitude by Chronometer from Afternoon Observations ⊕	o	i	"
Longitude by Chronometer Observations]	o	i	"
Variation of the Compass by Amplitude observed at Sunset	o	i	"
Variation of the Compass by at	o	i	"

under the command of Commander W. Scott Schley
Thursday November 30th, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather overcast. Rainy during last two hours of watch. Fresh breeze from N.E. by N. Barometer falling slowly. Slack water at 2. Ship swung to flood at 2.30.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 A.M. Overcast and stormy. Wind fresh in squalls from N and E. Riding to flood tide.

(Signed) J. T. Sullivan
Lieut.

From 8 to Merid. Stormy, snowing. Strong breeze from N hauling to W. At 10.15 veered to 60 fathoms port chain. At 10.15 ship swung to ebb tide.

(Signed) J. K. Cogswell
Lieut.

From Merid. to 4 P.M. Overcast. Cold. Squally. Rainy. Snowing. Strong N.W. wind. Riding to ebb. Steam in two boilers. Distilling.

(Signed) Richard G. Davenport
Lieut.

From 4 to 8 P.M. Overcast, rainy, squally. At 4.30 Flagship made signal 4985. At 5.15 slack water. Ship swung to flood at 6.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Midnight. Weather cloudy and cold. Fresh breeze from N.W. Light drizzling snow in latter part of watch. Swung to the ebb at 10.25. Moon visible.

(Signed) J. K. Cogswell
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Hampton Roads Va.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prog. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at't'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.															
1				NE by N	5		30.05	46	45	45		o	Nimb	0	
2				"	"		30.01	"	"	"		"	"	"	
3				"	"		29.98	"	"	"		or	"	"	
4				"	6		29.97	"	"	"		"	"	"	
5				"	5		29.95	45	44	44		oq	"	"	
6				"	"		29.92	"	45	43		"	"	"	
7				"	"		29.90	44	"	"		"	"	"	
8				"	"		29.88	"	"	"		"	"	"	
9				NNE	6		"	45	"	44		"	"	"	
10				"	"		29.86	44	42	43		"	"	"	
11				N	"		28.85	"	40	40		oqs	"	"	
Noon				N by W	"		29.83	"	42	42		"	"	"	
Distance run by Log since preceding Noon											knots		fathoms.		
Latitude by D. R. at Noon											o		i		
Longitude by D. R. at Noon											o		i		
Latitude by Observations at Noon ⊕											o		i		
Longitude by Chronometer from Forenoon Observations ⊕											o		i		
Current during the time											knots		fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊕ observed at Sunrise											o		"		
Variation of the Compass by Azimuth ⊕ observed at											o		"		
Water expended during the preceding 24 hours													221 gallons		
Water Condensed													730 "		
Water remaining on hand fit for me at Noon													2190 "		
Coal consumed during the preceding 24 hours											1		tons	620	lbs.
Coal remaining on hand at Noon											142		"	2210	"
P.M.															
1				N by W	4-5		29.80	43	41	42		orqs	Nimb		
2				"	"		"	"	"	"		oqs	"		
3				"	5		29.82	42	41	"		"	"		
4				"	5-7		"	43	"	"		"	"		
5				"	"		"	42	40	"		orq	"		
6				WNW	3-5		29.85	43	41	43		oq	"		
7				NW	"		29.89	44	"	41		oqs	"		
8				"	2-4		"	"	"	"		o	Cir Nimb"		
9				"	4		"	42	40	40		oq			
10				"	"		"	41	39	39		"			
11				"	"		"	"	"	"		"			
Mid.				"	"		"	"	"	"		os			
Longitude by Chronometer from Afternoon Observations ⊕											o		i		
Longitude by Chronometer Observations															

under the command of Commander W. Scott Schley
Friday December 1st, 1876.

, U. S. Navy.

[Editor's Note: The following was attached to the December 1 log entry.]

By order of Commanding Officer, the following apprentices were advanced in rating, from the 1st of Dec, 1876., for proficiency and good conduct while on duty. Viz,

John W. Scott	From 2 nd C Boy to O. Sea 2 nd class.
Wm. G. Smith	" " " " " 1 st Class Boy.
Charles Delmar	" " " " " " " "
Thomas Murphy	From 1 st C. Boy to O. Sea 2 nd class.
Louie Potts	" " " " " " " "
Jamie Gillespie	From 2 nd C. Boy to 1 st Class Boy
Charles J. Owen	" " " " " " " "
Michael Mangan	" " " " " " " "
John Kirk	From 1 st C. Boy to O. Sea 2 nd Class.
Wm. J. Lindon	From 2 nd C. Boy to 1 st Class Boy.
Wm E. Haggenthorn	" " " " " " " "
E. F. Fury	From 1 st C. Boy to O. Sea 2 nd Class.
Charlie Zeller	" " " " " " " "
Patrick Moreley	From 2 nd C. Boy to 1 st Class Boy.
G. M Hermance	" " " " " " " "
W. Vanderbeck	" " " " " " " "
G. N. Fisher	" " " " " " " "
Samuel Griffin	" " " " " " " "
Patrick Duffy	" " " " " " " "
John Pettit	From 2 nd C Boy to O Sea 2 nd class.
Wm G. Norwood	" " " " " " " "
John Lucey	From 2 nd C Boy to 1 st Class Boy
Wm J. Jenkins	" " " " " " " "
Gustave Romer	" " " " " " " "
J. B. Stanley	" " " " " " " "

under the command of Commander W. Scott Schley
Friday December 1st, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy. Freezing. Fresh wind with strong puffs from N.W.
Obscured moonlight. Riding to ebb. Slack water at 3.30. Steam in two boilers. Condensing.

(Signed) Richard G. Davenport
Lieut.

From 4 to 8 A.M. Clear, cool weather with fresh wind from N and W. Swung to flood at 4.10.
U.S.S. "Huron" got underway and stood out of harbor. Hove in to 45 fathoms on port chain. At
7.30 Flagship made signal 3354.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Merid. Clear. Cold. Fresh N.W. wind. At 8.50 Flagship made general signal 5455. At
9.30 exercised at general quarters. At 9 loosed sail. At 10.30 swung to ebb. At 11.25 Flagship
made general signal 5426. At 11 furling sail. Riding to ebb. Steam in two boilers. Condensing.

(Signed) J. T. Sullivan
Lieut.

From Merid. to 4 P.M. Overcast, cold. Strong breeze from N and W. At 3.25 Flagship made
signal 2984. John O'Neil (C.T.) suspended from duty and confined to the berth deck for not
obeying orders.

(Signed) J.K. Cogswell
Lieut.

From 4 to 8 P.M. Clear. Cold. Fresh W.N.W. wind. At 5.35 slack water. Ship swung to flood at
6. Steam in two boilers. Condensing.

(Signed) Richard G. Davenport
Lieut.

From 8 to Midnight. Clear and cold. Wind fresh from the W. Swung to the ebb at 10.30.

(Signed) J.T. Sullivan
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns,
Hampton Roads Va.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1				NW	4-7		29.88	40	36	37		bc	Cir Cum	2		
2				"	"		29.89	39	34	35		"	"	4		
3				"	"		29.90	37	32	33		"	"	5		
4				"	"		29.92	36	31	"		"	"	9		
5				NW by N	"		"	34	"	31		"	"	"		
6				"	4-5		29.94	"	32	"		"	"	"		
7				"	4		29.96	"	33	"		"	"	"		
8				"	"		30.00	"	35	"		"	"	"		
9				"	"		30.02	"	31	32		"	"	7		
10				NNW	"		"	"	"	"		"	"	"		
11				"	"		30.03	35	33	"		"	"	3		
Noon				N by W	5		30.04	37	37	37		"	"	0		

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	0	1	11
Longitude by D. R. at Noon	0	1	11
Latitude by Observations at Noon ⊕	0	1	11
Longitude by Chronometer from Forenoon Observations ⊕	0	1	11
Current during the time Knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊕ observed at Sunrise	0	11	11
Variation of the Compass by Azimuth ⊕ observed at	0	11	11
Water expended during the preceding 24 hours			221 gallons
Water during the preceding 24 hours			11
Water remaining on hand fit for me at Noon			2370 11
Coal consumed during the preceding 24 hours	tons	2200	lbs.
Coal remaining on hand at Noon	142 11	10	11

P.M.									
1	NW	4	30.00	39	37	39	osq	Cir Cum	0
2	WNW	6-8	"	"	34	35	fcq	"	4
3	"	"	30.01	40	35	36	"	"	"
4	"	"	30.02	39	36	37	"	"	6
5	"	6-4	30.04	40	31	34	"	Cum Nimb	2
6	"	"	30.06	"	29	38	"	"	5
7	W	5-7	30.12	"	34	"	"	"	7
8	W by S	"	"	41	36	37	"	Cum	9
9	"	5	"	40	35	36	"	"	"
10	"	4	30.10	"	34	35	"	"	"
11	"	"	"	39	33	34	fc	"	8
Mid.	"	"	"	38	32	33	"	"	"

Longitude by Chronometer from Afternoon Observations ⊕	0	4	4
Longitude by Chronometer Observations]	0	4	4
Variation of the Compass by Amplitude observed at Sunset	0	4	4
Variation of the Compass by at	0	4	4

under the command of Commander W. Scott Schley
Saturday December 2nd, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather cold and cloudy. Moon visible. Strong breeze from N. and W. Ebb tide.

(Signed) J. K. Cogswell
Lieut.

From 4 to 8 A.M. Cloudy. Freezing. Fresh W.N.W. wind, cir cum clouds. Slack water at 6. Swung to flood at 7. Steam on two boilers. Distilling.

(Signed) Richard G. Davenport
Lieut.

From 8 to Merid. Clear. Cold. Fresh wind from W. Carpenter Richardson reported for duty. At 9.30 inspected at quarters. At 10 general muster. Hoisted guard flag. At 10.30 veered to 60 fathoms shackle at port bit, and made preparation for slipping. At 11.15 lighted fire under four main boilers. Slack water. At 11.35 swung to ebb tide. Distilling during watch. At general muster, general order no 7, in regard to the proceeding and findings of the Court Martial of David Ryan (Sea) was read. Read Articles of War.

(Signed) Wainwright Kellogg
Lieut.

From Merid. to 4 P.M. Clear and cold. Fresh breeze from the W. "Plymouth" arrived from Norfolk and anchored at 1.45. Banked fires under six boilers.

(Signed) J. T. Sullivan
Lieut.

From 4 to 8 P.M. Clear and cold. Fresh W. breeze. Slack water at 5.15. Swung to flood at 6. Banked fires under six main boilers. Average steam pressure 27 lbs. Temp of bunkers 76°.

(Signed) J. K. Cogswell
Lieut.

From 8 to Midnight. Clear first part of watch, overcast latter part. Fresh N.N.W. wind. Cold. Slack water at 10.30. Swung to ebb at 10.50. Banked fires under six boilers. Average steam pressure 25 lbs. Temp of bunkers 92°.

(Signed) Wainwright Kellogg
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns,
Hampton Roads Va.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fifts.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.															
1				NW	5-7	30.10	31	30	30		bc	Cum Nimb	1		
2				"	"	30.09	"	"	"		"	"	"		
3				W	"	"	"	29	29		"	"	"		
4				"	"	"	30	"	"		"	"	"		
5				NNW	"	30.10	"	28	28		"	"	"		
6				"	"	"	"	29	29		"	"	"		
7				"	"	"	"	26	26		"	"	"		
8				"	"	"	34	25	"		"	"	"		
9				W	"	30.12	36	"	"		"	"	"		
10				"	"	30.11	39	34	34		"	Str	8		
11				"	"	"	"	"	35		"	"	6		
Noon				"	"	30.10	"	"	"		"	"	"		

Distance run by Log since preceding Noon	knots		fathoms.	
Latitude by D. R. at Noon	°	'		"
Longitude by D. R. at Noon	°	'		"
Latitude by Observations at Noon ⊕	°	'		"
Longitude by Chronometer from Forenoon Observations ⊕	°	'		"
Current during the time	knots		fms. per hour, setting to the	
Variation of the Compass by Amplitude ⊕ observed at Sunrise	°		"	"
Variation of the Compass by Azimuth ⊕ observed at	°		"	"
Water expended during the preceding 24 hours				221 gallons
Water Condensed during the preceding 24 hours				240 "
Water remaining on hand fit for me at Noon				2190 "
Coal consumed during the preceding 24 hours	2	tons	1460	lbs.
Coal remaining on hand at Noon	139	"	790	"

[illegible]

under the command of Commander W. Scott Schley
Sunday December 3rd, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and cool. Moderate breeze from N and W. Riding to ebb tide.

(Signed) J. T. Sullivan
Lieut.

From 4 to 8 A.M. Weather cloudy and cold. Clear in latter part of watch. Light N.W. breeze. Tide turned flood at 5.45. Flagship made general signal.

(Signed) J. K. Cogswell
Lieut.

From 8 to Merid. Clear and cold. Riding to flood tide. At 9.00 made interrogatory signal 4557. Flagship answered 9.04. Hauled fire under four boilers. At 9.30 mustered at quarters. Comdg Office inspected crew and ship. At 10 called all hands to muster and prayers were read by Comdg Officer. Slack water at 11.20. Temp of bunkers 93°. Average steam pressure 20 lbs. Banked fires under two boilers. Distilling.

(Signed) Richard G. Davenport

From Merid. to 4 P.M. Clear and cold. Light N.W. breeze. Swung to ebb at 12.30. At 3.30 Midshipman W. G. Hannon reported for duty. At 3 "Tallapoosa" came in and passed on to Norfolk.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 P.M. Clear cool, with light breeze from N.W. At 5.10 commenced distilling. At sun down got up clothes lines. Slack water at 6.45. At 7 ship swung to flood.

(Signed) J. T. Sullivan
Lieut.

From 8 to Midnight. Clear. Cold. Pleasant. Moderate breeze from N.N.W. Bright moonlight. Riding to flood. Steam on two boilers. Distilling.

(Signed) Richard G. Davenport
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns,
Hampton Roads Va.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.	Leway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.															
1			WNW	4		30.18	36	35	35		bc	Cum	8		
2			"	"		"	"	"	"		"	"	"		
3			"	"		30.20	"	"	"		c	"	2		
4			"	3		"	"	"	"		"	"	0		
5			NW	3-4		30.22	35	34	33		o	"	"		
6			"	"		30.26	"	"	"		"	"	"		
7			"	"		30.28	"	"	32		bc	"	1		
8			"	"		30.32	"	33	33		"	"	8		
9			NW by N	"		30.36	39	37	38		"	"	9		
10			"	"		"	40	40	40		"	"	"		
11			"	"		30.34	42	42	42		"	"	"		
Noon			"	2-3		"	44	"	43		"	"	"		

Record of the sail the vessel is
under at end of watch.

Distance run by Log since preceding Noon	knots	fathoms.		
Latitude by D. R. at Noon	0	1	"	
Longitude by D. R. at Noon	0	1	"	
Latitude by Observations at Noon ⊕	0	1	"	
Longitude by Chronometer from Forenoon Observations ⊕	0	1	"	
Current during the time	knots	fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊕ observed at Sunrise	0	1	"	
Variation of the Compass by Azimuth ⊕ observed at	0	1	"	
Water expended during the preceding 24 hours				221 gallons
Water Condensed during the preceding 24 hours				365 "
Water remaining on hand fit for me at Noon				2555 "
Coal consumed during the preceding 24 hours	2	tons	1300	lbs.
Coal remaining on hand at Noon	130	"	1730	"

P.M.									
1	NNW	3	30.32	47	46	47	bc	Cum	9
2	"	"	30.30	50	47	48	"	"	"
3	"	2	30.29	53	49	50	"	"	"
4	"	"	"	52	52	56	"	"	"
5	"	"		50	50	46	"	"	"
6	"	"		48	48	45	"	"	"
7	"	1-2		46	43	44	b	"	10
8	"	"		45	"	48	"	"	"
9	"	2		44	42	42	"	"	"
10	"	2-5		43	41		"	"	"
11	"	4		"	40	40	"	"	"
Mid.	"	3		"	"	"	"	"	"

Longitude by Chronometer from Afternoon Observations \oplus		0	'	"
Longitude by Chronometer Observations	]	0	'	"
Variation of the Compass by Amplitude	observed at Sunset	0	'	"
Variation of the Compass by	at	0	'	"

under the command of Commander W. Scott Schley
Monday December 4th, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear cool and pleasant. Light N.N.W. breeze. Bright moonlight.
Swung to ebb at 12.20. Distilling with two boilers.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 A.M. Clear and cold. Light N.W[ester]ly airs. Swung to the flood at 6.30. At 7.30
Flagship made general signal 3550.

(Signed) J. T. Sullivan
Lieut.

From 8 to Merid. Clear, cool and pleasant. Light breeze from N. and W. Ebb tide.

(Signed) J. K. Cogswell
Lieut.

From Merid. to 4 P.M. Clear. Cold. Light N.N.W. breeze. Slack water at 12.43. At 1.30 made
signal 2424. During watch engaged in exercise with all boats. Steam in two boilers. Distilling.

(Signed) Richard G. Davenport
Lieut.

From 4 to 8 P.M. Clear and cool, light breeze from N. and W. Riding to ebb tide. Slack water at
7.25. During latter part of watch ship swinging to flood tide.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Midnight. Weather cloudy and cool. Light N.W. breeze. Riding to the flood. Moonlight.

(Signed) J. K. Cogswell
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Hampton Roads Va.

Hour.	Knots.	Fathoms.	WINDS.		BAROMETER.		TEMPERATURE.		State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.			
A.M.													
1			NNW	2		30.38	44	40	30		bc	Cir	9
2			"	"		"	42	38	35		"	"	"
3			"	"		30.40	40	35	32		"	"	8
4			"	"		"	"	"	"		"	"	9
5			"	"		"	39	"	35		"	"	"
6			"	"		30.42	38	"	"		"	"	"
7			"	"		"	"	36	38		"	"	"
8			"	"		30.47	"	38	39		"	"	"
9			"	1-2		30.44	"	46	"		"	"	"
10			"	"		"	40	40	40		"	"	"
11			"	"		30.47	42	41	43		"	"	8
Noon			"	"		30.42	44	43	41		"	"	7

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	o	' "
Longitude by D. R. at Noon	o	' "
Latitude by Observations at Noon ⊕	o	' "
Longitude by Chronometer from Forenoon Observations ⊕	o	' "
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ⊕ observed at Sunrise	o	" "
Variation of the Compass by Azimuth ⊕ observed at	o	" "
Water expended during the preceding 24 hours		221 gallons
Water Condensed during the preceding 24 hours		730 "
Water remaining on hand fit for me at Noon		2190 "
Coal consumed during the preceding 24 hours	1 tons	1060 lbs.
Coal remaining on hand at Noon	135 "	670 "

P.M.													
1			NNW	4		30.40	44	44	42		bc	Cir	5
2			"	"		"	"	"	"		"	"	"
3			"	"		"	"	"	"		"	"	6
4			NW by N	"		30.40	43	45	45		"	"	7
5			NW	1-2		"	45	43	44		"	Cir Str	3
6			"	"		"	40	42	"		"	"	9
7			NW by W	2		"	"	"	42		"	Cum	8
8			"	1-2		"	"	"	"		"	"	"
9			"	1		"	44	"	41		"	Cir Cum	7
10			"	1-2		"	"	"	"		"	"	5
11			"	"		"	43	40	40		"	"	0
Mid.			"	"		"	"	"	"		"	"	1

Longitude by Chronometer from Afternoon Observations ⊕	o	' "
Longitude by Chronometer Observations]	o	' "
Variation of the Compass by Amplitude observed at Sunset	o	' "
Variation of the Compass by at	o	' "

under the command of Commander W. Scott Schley
Tuesday December 5th, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast. Damp. Hazy. Light N.W. breeze. At 1.05 slack water. At 1.50 swung to ebb tide. Obscured moonlight. Steam in two boilers. Distilling.

(Signed) Richard G. Davenport
Lieut.

From 4 to 8 A.M. Overcast first part of watch, clear latter part. At 7 slack water. At 7.30 swung to flood. Received in Pay Department 138 lbs of beef, 120 lbs of vegetables. Hoisted guard flag.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Merid. Clear, cold. Fresh breeze from N and W. At 8 started fires under four boilers. At 9.30 inspected at quarters. Exercised 1st Division at small arms. 2nd Division at single sticks. Powder Division at facings. Fires banked under six boilers.

(Signed) J. T. Sullivan
Lieut.

From Merid. to 4 P.M. Clear and cold. Fresh breeze from N and W. At 2.30 swung to the ebb. Engaged in fitting waste and sails of boats.

(Signed) J. K. Cogswell
Lieut.

From 4 to 8 P.M. Clear. Cold. Moderate breeze from N.N.W. At 4.15 Flagship made general signal 2985. At 5.20 commenced distilling. Banked fire under six boilers. Riding to ebb.

(Signed) Richard G. Davenport
Lieut.

From 8 to Midnight. Clear and cold. Light N.W[ester]ly airs. At 9.15 swung to flood. Fires banked under six boilers. Distilling. Average steam pressure 27 lbs. Temp of bunkers 67°.

(Signed) J. T. Sullivan
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Hampton Roads Va.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prog. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A.M.															
1				NNW	3		30.39	40	38	40		bc	Cir		
2				N	"		30.40	"	37	37		"	"		
3				"	"		"	36	38	36		"	Cum		
4				"	"		"	38	36	"		"	"		
5				NNW	"		"	"	32	32		o	"	0	
6				"	"		"	"	"	"		bc	"	"	
7				"	"		"	"	"	"		"	"	"	
8				"	"		"	"	"	"		"	"	"	
9				"	"		"	39	"	"		"	"	"	
10				"	"		"	40	34	34		"	"	"	
11				"	"		30.38	41	"	36		"	"	"	
Noon				"	"		"	"	"	"		"	"	"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	o	' "
Longitude by D. R. at Noon	o	' "
Latitude by Observations at Noon ⊕	o	' "
Longitude by Chronometer from Forenoon Observations ⊕	o	' "
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ⊕ observed at Sunrise	o	" "
Variation of the Compass by Azimuth ⊕ observed at	o	" "
Water expended during the preceding 24 hours		221 gallons
Water during the preceding 24 hours		"
Water remaining on hand fit for me at Noon		2190 "
Coal consumed during the preceding 24 hours	2 tons	1790 lbs.
Coal remaining on hand at Noon	132 "	1120 "

P.M.															
1			N by W	2-3			30.38	40	36	35		bc	Cir Cum	2	
2			"	"			30.34	"	38	39		"	"	"	
3			NNW	3			"	"	36	38		"	"	"	
4			"	"			30.38	41	34	35		"	"	4	
5			"	"			30.35	42	33	34		"	"	"	
6			NW	2			30.36	"	40	"		"	"	8	
7			"	"			30.37	"	44	42		"	"	7	
8			"	"			"	"	32	32		"	"	8	
9			"	"			30.38	"	"	"		"	"	"	
10			"	1-2			"	40	"	"		"	"	9	
11			"	"			"	39	"	"		"	"	"	
Mid.			"	3-4			"	"	"	"		"	"	"	

Longitude by Chronometer from Afternoon Observations ⊕	o	' "
Longitude by Chronometer Observations]	o	' "
Variation of the Compass by Amplitude observed at Sunset	o	' "
Variation of the Compass by at	o	' "

under the command of Commander W. Scott Schley
Wednesday December 6th, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather clear and cold. Light breeze from N and W. High water at 2 o'clock

(Signed) J. K. Cogswell
Lieut.

From 4 to 8 A.M. Clear. Freezing. Light N.W. breeze. At 7.30. Flagship made general signal 3350. Banked fires under six boilers. Distilling. Riding to ebb. At 8 hoisted guard flag.

(Signed) Richard G. Davenport
Lieut.

From 8 to Merid. Clear and pleasant. Light breeze from N.W. Slack water at 8.55. At 9 Flagship made preparatory 5455. Loosed sail. At 9.30 mustered at quarters. Exercised at infantry and howitzer drill. At 11.25 Flagship made preparatory 4726. At 11.50 furled sail. Temp coal bunkers 64°. John O'Neil (C.T.) was released from arrest by order of Comdg Officer.

(Signed) Wainwright Kellogg
Lieut.

From Merid. to 4 P.M. Cool, clear and pleasant. Light breeze from S. and W. At 1.30 Flagship signaled 3108. At 1.30 but light sails and crossed topgallant and royal yards. Exercised at making and reefing sail. At 3 sent down topgallant and royal yards. At 3.30 Flagship made general signal 2984. Swung to ebb at 3.30. At 4.50 Flagship made general signal 4880. Fires banked under six boilers. Average steam pressure 25 lbs. Temp of bunkers 64°. Exercised with Flagship in signaling by Commercial Code.

(Signed) J. T. Sullivan
Lieut.

From 4 to 8 P.M. Clear and pleasant, light breeze from S and W. Ship riding to the ebb. Steam pressure 20 lbs. Temp of bunkers 64°. Gave W. Moore (B) and F.C. Jones (B) two hours extra duty by order of Comdg Officer, for being noisy at hammocks.

(Signed) J. K. Cogswell
Lieut.

From 8 to Midnight. Clear and cool. Fresh S.W. breeze. Riding to the ebb tide. Slack water at 10.30. At 11 swung to flood. Average steam pressure 18 lbs. Temp of bunkers 80°.

(Signed) Wainwright Kellogg
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns,
Hampton Roads Va.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fifts.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1				NW	1-2		30.38	38	31	30		bc	Cir Cum	8		
2				"	2		"	34	38	32		"	"	"		
3				N	"		"	"	"	"		"	"	"		
4				"	"		"	"	"	"		"	"	"		
5				NW	"		30.39	"	37	34		"	"	9		
6				"	"		"	"	"	"		"	"	10		
7				"	"		30.40	38	38	"		"	"	"		
8				"	"		"	36	36	36		"	"	"		
9				"	"		30.42	35	35	34		"	"	"		
10				Calm	0		30.40	44	42	42		"	"	"		
11				SW	0-1		30.37	46	"	44		"	"	"		
Noon				"	"		30.34	"	"	42		"	"	"		

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	0	1	"
Longitude by D. R. at Noon	0	1	"
Latitude by Observations at Noon ⊕	0	1	"
Longitude by Chronometer from Forenoon Observations ⊕	0	1	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ⊕ observed at Sunrise	0	"	"
Variation of the Compass by Azimuth ⊕ observed at	0	"	"
Water expended during the preceding 24 hours			211 gallons
Water Condensed during the preceding 24 hours			730 "
Water remaining on hand fit for me at Noon			2555 "
Coal consumed during the preceding 24 hours	2	tons	910 lbs.
Coal remaining on hand at Noon	130	"	210 "

P.M.									
1	S by W	1-2	30.30	47	42	42	bc	Cir Cum	10
2	"	"	30.26	48	"		"	"	"
3	SW	"	30.24	49	"		"	"	"
4	SW by W	"	30.20	53	49		"	"	"
5	SSW	"	"	50	43		"	"	"
6	"	"	"	48	42		"	"	"
7	"	"	"	47	"		"	"	"
8	"	"	30.19	"	41		bc	"	9
9	"	2-3	30.20	46	39		b	"	10
10	SW by S	"	"	44	40		"	"	"
11	"	4	30.18	"	30		bc	Ste	9
Mid.	"	"	30.16	"	"		"	"	"

Longitude by Chronometer from Afternoon Observations \oplus	0	1	"
Longitude by Chronometer Observations]	0	1	"
Variation of the Compass by Amplitude observed at Sunset	0	1	"
Variation of the Compass by at	0	1	"

under the command of Commander W. Scott Schley
Thursday December 7th, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and cold. Fresh S.W. breeze. Swung to the ebb at 3.15. Fires banked under six boilers. Average steam pressure 30 lbs. Temp of bunkers 65°.

(Signed) J. T. Sullivan.

From 4 to 8 A.M. Weather cloudy and cool. Light S.W. breeze. Riding to the ebb. Received fresh provisions for crew. Hoisted guard flag at 8 A.M.

(Signed) J. K. Cogswell
Lieut.

From 8 to Merid. Clear and cool, light S.W. breeze. At 8.45 Flagship made prep signal 6144. At 8.55 "Hartford" made signal 6144. At 9 crossed topgallant yards. At 11.15 "Hartford" made signal 1087. At 10.30 slack water. At 11 swung to flood. Temp of bunkers 81°. Average steam pressure 25 lbs. Banked fires under six boilers. Distilling. Exercised crew at clearing ship for action.

(Signed) Richard G. Davenport
Lieut.

From Merid. to 4 P.M. Overcast, cold, light S.W. breeze. Riding to flood. Slack water at 3.20. At 3.50 swung to ebb. Average steam pressure 22 lbs. Temp bunkers 80°. Distilling.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 P.M. Clear, cold and pleasant. Light S.W. breeze. At 4.15 Flagship made signal 2985. At 4.30 Flagship made signal 6341. At 3.41 sent down topgallant yards. Fires banked under six boilers. Distilling. Temp bunker 85°. Average steam pressure 25 lbs. Riding to ebb.

(Signed) J.T. Sullivan
Lieut.

From 8 to Midnight. Clear. Cool. Pleasant. Light S.W. by W. breeze. Bright starlight. At 11.25 slack water. Swung to flood at 12. Banked fires under six boilers. Distilling.

(Signed) Richard G. Davenport
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Hampton Roads Va.

			WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prog. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A.M.															
1				SW by W	5-6		30.12	42	39	36		bc	Cir Cum	7	
2				"	"		"	"	"	"		"	"	3	
3				"	4-5		"	45	"	"		"	"	1	
4				"	4		30.08	"	40	38		"	"	7	
5				SW	3		"	"	"	"		"	Cir		
6				"	2-3		30.07	"	"	"		"	"	9	
7				"	2		30.06	"	"	"		"	"	"	
8				"	"		"	"	"	39		"	"	"	
9				"	"		30.08	44	42	41		"	"	"	
10				"	"		30.04	46	43	43		"	"	"	
11				"	"		30.02	48	45	46		"	"	"	
Noon				"	"		30.00	50	47	48		"	"	"	
Distance run by Log since preceding Noon											knots		fathoms.		
Latitude by D. R. at Noon											0	"	"	"	
Longitude by D. R. at Noon											0	"	"	"	
Latitude by Observations at Noon ⊕											0	"	"	"	
Longitude by Chronometer from Forenoon Observations ⊕											0	"	"	"	
Current during the time											knots		fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊕ observed at Sunrise											0	"	"	"	
Variation of the Compass by Azimuth ⊕ observed at											0	"	"	"	
Water expended during the preceding 24 hours											211 gallons				
Water during the preceding 24 hours											"				
Water remaining on hand fit for me at Noon											2190				"
Coal consumed during the preceding 24 hours											2	tons	1350	lbs.	
Coal remaining on hand at Noon											127	"	1100	"	
P.M.															
1				SW	1		29.98	52	48	48		o	Cum Nimb	0	
2				SW by W	2		29.96	"	49	49		"	"	"	
3				SW	3		29.94	53	"	48		bc	"	2	
4				"	2-3		"	52	47	46		"	Cum Str	"	
5				SW by S	"		29.92	50	45	44		"	"	"	
6				"	"		"	49	43	42		"	"	4	
7				"	"		29.94	48	"	"		"	"	9	
8				"	3		29.98	"	"	"		"	"	10	
9				SW by W	"		29.95	"	44	"		"	"	9	
10				"	"		"	"	"	"		"	"	"	
11				"	"		29.96	"	"	44		"	"	"	
Mid.				"	"		"	"	"	42		"	"	"	
Longitude by Chronometer from Afternoon Observations ⊕											0	"	"	"	
Longitude by Chronometer Observations]											0	"	"	"	
Variation of the Compass by Amplitude observed at Sunset											0	"	"	"	
Variation of the Compass by at											0	"	"	"	

under the command of Commander W. Scott Schley
Friday December 8th, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and cool. Light S.W. breeze. At 12.30 ship swung to flood. Average steam pressure 30 lbs. Temp of bunkers 70°. Distilling. Bright moonlight.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 A.M. Clear cool and pleasant. Light S.W. breeze. At 8 Flagship signaled 3350. At 8 hauled down guard flag. Fires banked under six boilers. Riding to ebb. Carpenter Henry Davis was detached from this ship.

(Signed) J.T. Sullivan
Lieut.

From 8 to Merid. Clear and pleasant during first part of watch, overcast and cloudy latter part. Light breeze from S and W. At 9.30 exercised at general quarters. At 9.50 received the following telegraphic signals from Flagship. 6853. 6180. 4301. 4345. 9279. 2713. 6555. 1267. 8692. 6970. 6853. 1300. 1339. 1364. 8288. 6860. 1608. 9272. 4097. Placed Richard Jones (Lds) in solitary confinement on bread and water, by order of Comdg Officer, for being drunk on duty. Time at general quarters in casting loose. 1st Division 5 m[inutes] 3 sec[onds]. 2nd Div 3m 30sec. Master Div 6m 15sec. Powder Div 3m 45sec. Marine 1m 30sec. Engineer Div 1m 45sec. Surgeon Div 2m. Swung to flood at 10.30

(Signed) J. K. Cogswell
Lieut.

From Merid. to 4 P.M. Overcast. Cool. Misty first part, foggy latter part of watch. Right S breeze. At 1.10 exercised crew at reefing topsails. At 3.30 Flagship made general signal 2984. Crew engaged in scraping spars. At 3.40 slack water. Banked fires under six boilers. Distilling.

(Signed) Richard G. Davenport
Lieut.

From 4 to 8 P.M. Overcast and cool. At 4.30 swung to ebb tide. At 4.30 Flagship made preparatory signal 6070. At sundown sent down royal yards. James Bryson (Boy) reported onboard, having been transferred from U.S.S. "Potomac" to this ship. At 5.30 mustered at quarters and exercised at fire quarters. At 6 Flagship made Coston signal 5109, sent down topgallant yards and housed topgallant masts. Barometer gradually falling. Average steam pressure during watch 35 lbs. Temp of bunkers 70°. Light breeze from S and W.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Midnight. Clear and cool. Light S[outher]ly breeze. Rising to the ebb. Barometer falling.

(Signed) J. K. Cogswell
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Hampton Roads Va.

Hour.	Knots.	Fathoms.	WINDS.		Leeway.	BAROMETER.				TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prog. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.		Height in inches.	Ther. at't'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.							
A.M.																	
1			SW	2-3		29.98	48	43	42		bc	Cir Cum	5				
2			WSW	"		"	49	"	"		"	"	7				
3			"	"		29.99	48	42	"		"	Cir ste	9				
4			"	"		"	"	"	"		"	Cir	"				
5			"	"		30.00	46	43	"		"	"	"				
6			W by S	"		"	"	42	41		"	"	7				
7			"	"		30.01	"	41	40		"	"	5				
8			WSW	"		30.02	"	"	"		"	"	8				
9			SW	"		30.00	"	42	41		"	"	"				
10			"	2		29.98	48	44	42		"	Cir Cum	5				
11			"	1-2		29.90	49	48	44		"	"	1				
Noon			"	"		29.94	50	"	46		oc	"	"				
.																	
Distance run by Log since preceding Noon											knots	fathoms.					
Latitude by D. R. at Noon											o	i	"				
Longitude by D. R. at Noon											o	i	"				
Latitude by Observations at Noon ⊕											o	i	"				
Longitude by Chronometer from Forenoon Observations ⊕											o	i	"				
Current during the time											knots	fms. per hour, setting to the					
Variation of the Compass by Amplitude ⊕ observed at Sunrise											o	"	"				
Variation of the Compass by Azimuth ⊕ observed at											o	"	"				
Water expended during the preceding 24 hours														217 gallons			
Water Condensed during the preceding 24 hours														730 "			
Water remaining on hand fit for me at Noon														2190 "			
Coal consumed during the preceding 24 hours											2	tons	1130	lbs.			
Coal remaining on hand at Noon											124	"	2210	"			
P.M.																	
1			S	1-2		29.90	51	48	46		ocm	1					
2			"	"		29.86	52	46	"		om	0					
3			"	"		"	51	"	"		of	"					
4			"	"		29.84	"	45	"		"	"					
5			"	2		"	50	"	44		o	Cum Nimb	"				
6			"	"		29.80	"	44	"		"	"	"				
7			"	1-2		"	48	43	42		"	Nimb	"				
8			S by E	2		29.78	"	"	"		"	"	"				
9			"	1-2		29.74	49	"	41		bc	"	1				
10			"	"		"	"	"	"		"	"	7				
11			SSE	"		29.72	48	"	"		"	"	8				
Mid.			"	2		"	"	"	"		"	"	7				
Longitude by Chronometer from Afternoon Observations ⊕											o	i	"				
Longitude by Chronometer Observations]											o	i	"				
Variation of the Compass by Amplitude observed at Sunset											o	i	"				
Variation of the Compass by at											o	i	"				

under the command of Commander W. Scott Schley
Saturday December 9th, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear. Cool. Pleasant. Fresh breeze with strong squalls from S.W. Slack water at 12.15. Riding across weather flood remainder of watch. Moon rose at 1.15. Bright moonlight. Banked fires under six boilers. Steam pressure 25 lbs. Temp of bunkers 72°.

(Signed) Richard G Davenport
Lieut.

From 4 to 8 A.M. First hour of watch clear and pleasant with fresh breeze and strong squalls from S.W. At 5 breeze increased to fresh gale with heavy squalls, the wind gradually hauling from S.W. to W.N.W. At 5 veered to 105 fathoms on port chain to keep clear of "Plymouth" that had dragged down close aboard. Ran in port battery rigged in flying jib boom, and braced yards to the wind. At 5.15 U.S.S. "Wyandotte" dragged by on starboard side and brought up astern. Spread fires under six main boilers, steam up at 5.55. Broke out sheet anchor and transferred it to port bow. At 7.30 U.S.S. Shawmutt got underway and stood out in bay. At 8 steam pressure 75 lbs. Temp of bunkers 80°. Clear and cold at end of watch.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Merid. Clear, cold, strong squalls from N.W. Fires spread under six boilers. Broke out sheet chain and got sheet anchor over port bow, ready for letting go. "Plymouth" starboard anchor foul of one chain.

(Signed) J.T. Sullivan
Lieut.

From Merid. to 4 P.M. Clear and cold, blowing strong from N and W. At 1 "Plymouth" slipped her starboard cable and took a new anchorage, her anchor having been foul of our chain. Ship riding between wind and tide. Turned flood at 1. Barometer rising. At 2.20 hove in to 75 fathoms.

(Signed) J. K. Cogswell
Lieut.

From 4 to 8 P.M. Clear. Freezing. Rising barometer. Strong wind with heavy puffs from W.N.W. At 5 slack water. At 5.10 commenced distilling. Banked fires under six boilers. Temp of bunkers 70°. Steam pressure 70 lbs. Riding to ebb.

(Signed) Richard G. Davenport
Lieut.

From 8 to Midnight. Clear and cold. Strong N.W. wind. Riding to ebb. Average steam pressure 60 lbs. Temp of bunkers 66°. Fires spread under six boilers.

(Signed) J.T. Sullivan

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Hampton Roads Va.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.	Leeway.	Height in inches.	Ther. at't d.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.															
1			SW	5-7		29.69	47	42	42		bq	Ste	9		
2			"	"		29.65	"	"	"		"	"	"		
3			"	"		"	46	"	"		"	"	"		
4			"	5-8		"	"	"	"		"	"	"		
5			WSW	7-9		29.76	44	44	"		bcq	Cir Nimb"	6		
6			W	"		29.84	38	34	33		"	Cum	9		
7			"	"		29.92	"	32	30		"	"	"		
8			WNW	"		30.02	35	39	28		bq	"	10		
9			NW by W	"		30.10	33	27	27		"	"	"		
10			"	"		30.14	32	"	"		"	"	"		
11			"	"		30.20	30	25	26		"	"	"		
Noon			"	"		"	"	"	"		"	"	"		

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	' "
Longitude by D. R. at Noon	°	' "
Latitude by Observations at Noon ⊕	°	' "
Longitude by Chronometer from Forenoon Observations ⊕	°	' "
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ⊕ observed at Sunrise	°	" "
Variation of the Compass by Azimuth ⊕ observed at	°	" "
Water expended during the preceding 24 hours		217 gallons
Water during the preceding 24 hours		"
Water remaining on hand fit for me at Noon		2190 "
Coal consumed during the preceding 24 hours	3 tons	1310 lbs.
Coal remaining on hand at Noon	121	900 "

P.M.																
1			WNW	8-9		30.24	30	25	23		b	Cum	10			
2			"	"		30.26	29	24	22		"	"	"			
3			"	"		30.28	"	23	"		"	"	"			
4			"	7-8		30.29	"	24	"		"	"	"			
5			"	6-8		30.30	28	21	"		"	"	"			
6			"	"		30.40	27	20	20		"	"	"			
7			"	"		30.44	26	"	21		"	"	"			
8			"	"		30.46	"	"	"		"	"	"			
9			"	"		30.48	"	23	24		bq	"	"			
10			"	"		"	27	22	22		"	"	"			
11			"	"		30.50	"	19	20		"	"	"			
Mid.			"	"		"	26	23	"		"	"	"			

Longitude by Chronometer from Afternoon Observations ⊕	°	' "
Longitude by Chronometer Observations]	°	' "
Variation of the Compass by Amplitude observed at Sunset	°	' "
Variation of the Compass by at	°	' "

under the command of Commander W. Scott Schley , U. S. Navy.
Sunday December 10th , 1876.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather clear and cold. Moderate breeze from N. and W. Swing to flood at 1 o'clock. Steam pressure 60 lbs. Temp of bunkers 84°.

(Signed) J. K. Cogswell
Lieut.

From 4 to 8 A.M. Clear. Freezing. Moderate N.W. wind, cir cum clouds. At 7.30 Flagship made general signal 3350. At 7.45 brought to on port chain. Stopped distilling at 6. Steam in six boilers. Slack water at 5.30. Swing to ebb at 6.30. Average steam pressure 62 lbs. Temp of bunkers 70°. At 8 hoisted guard flag.

(Signed) Richard G. Davenport
Lieut.

From 8 to Merid. Clear and cold. Light airs from S and W. At 8.45 Flagship made preparatory signal 6141. Sent up topgallant masts. At 10.15 called all hands up anchor. Hove up port anchor. Foul anchor. Shifted butts. Let go starboard anchor, veered to 45 fathoms. Bearings from anchorage. Old Point Light N.E. 1/4 E. Rip Raps S.E. by E. 1/4 E. At 10 "Plymouth" came in and came to anchor. Engaged in clearing port anchor. Average steam pressure 70 lbs. Temp of bunkers 64°.

(Signed) Wainwright Kellogg
Lieut.

From Merid. to 4 P.M. Clear and cold. Light S.W. airs. Cleared and got port anchor ready for letting go. Slack water at 1.45. Swung to flood at 2.15. Banked fires. Average steam pressure 50 lbs. Temp of bunkers 60°.

(Signed) J.T. Sullivan
Lieut.

From 4 to 8 P.M. Overcast and cloudy during entire watch. Light breeze from E. At 4.30 Flagship made general signal 2985. Ship swung to ebb at 7.20. During latter part of watch wind shifted to S and W.

(Signed) J. K. Cogswell
Lieut.

From 8 to Midnight. Overcast with light fall of snow. Cold. Light breeze from S. Riding to ebb during watch. At 8 let go port anchor under foot. Banked fires under six main boilers. Average steam pressure 40 lbs. Temp of bunkers 90°.

(Signed) Wainwright Kellogg
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns,
Hampton Roads Va.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A.M.															
1				NNW	4-5		30.52	25	16	18		b		10	
2				"	"		30.54	23	"	"		"		"	
3				"	"		30.58	22	"	"		"		"	
4				"	"		"	21	"	"		"		"	
5				NW	3-5		"	20	"	17		bc	Cir"	0	
6				"	"		30.62	"	"	"		"	"	3	
7				"	2		30.64	"	17	18		"	"	2	
8				"	"		"	25	"	"		"	"		
9				"	"		30.69	28	23	22		"	Cum	5	
10				WSW	1		"	32	25	25		"	"	8	
11				"	"		30.68	"	20	20		"	Cir Cum	9	
Noon				SW	"		30.64	"	"	"		"	"	"	

Distance run by Log since preceding Noon	knots	fathoms.		
Latitude by D. R. at Noon	0	1	2	3
Longitude by D. R. at Noon	0	1	2	3
Latitude by Observations at Noon ⊕	0	1	2	3
Longitude by Chronometer from Forenoon Observations ⊕	0	1	2	3
Current during the time	knots	fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊕ observed at Sunrise	0	1	2	3
Variation of the Compass by Azimuth ⊕ observed at	0	1	2	3
Water expended during the preceding 24 hours				217 gallons
Water Condensed during the preceding 24 hours				780 "
Water remaining on hand fit for me at Noon				2555 "
Coal consumed during the preceding 24 hours	3	tons	720	lbs.
Coal remaining on hand at Noon	117	"	1420	"

P.M.									
1	SW	1	30.60	35	39	30	bc	Cir Cum	8
2	Calm	0	30.58	36	38	38	"	"	6
3	"	"	30.56	35	29	29	"	"	3
4	E	1	30.54	"	"	28	"	"	1
5	"	"	"	"	28	30	"	"	"
6	"	1-2	30.52	"	31	31	oc	"	0
7	"	2	"	"	29	30	"	"	"
8	SSW	2-3	"	"	30	"	bc	"	1
9	S	3	30.50	36	32	32	os	Nimb	0
10	SW	4	"	"	29	29	"	"	"
11	SW by W	"	30.49	35	"	"	o	"	"
Mid.	"	3	30.46	"	"	"	"	"	"

Longitude by Chronometer from Afternoon Observations \oplus	0	'	"
Longitude by Chronometer Observations]	0	'	"
Variation of the Compass by Amplitude observed at Sunset	0	'	"
Variation of the Compass by at	0	'	"

under the command of Commander W. Scott Schley
Monday December 11th, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy and cold. Light S.W. breeze. At 2.45 swung to starboard to flood. Clear hawse. Fires banked. Average steam pressure 40 lbs. Temp of bunkers 80°.

(Signed) J. T. Sullivan
Lieut.

From 4 to 8 A.M. Cloudy and cool. Light breeze from S and W. Hove up starboard anchor. Flagship signaled 3350 at 7.30. Swung to ebb at 7.30 Hauled down guard flag at 8.

(Signed) J. K. Cogswell
Lieut.

From 8 to Merid. Clear, cold. Light S.W. wind. At 8.45 cleared and bent chain and fished starboard anchor. At 9 veered to 60 fathoms, forward port bit, on port chain. At 9.15 Flagship made general signal 2995. Answered numeral 36. At 9.35 made general signal 3005. At 9.45 made numeral 3-210. Engaged in cleaning ship. Banked fires under six boilers. Average steam pressure 40 lbs. Temp of bunkers 91°.

(Signed) Richard G. Davenport
Lieut.

From Merid. to 4 P.M. Overcast, cool. Raining. Riding to ebb. Slack water at 1.35. At 2.10 swung to flood. Average steam pressure 38 lbs. Temp of bunkers 89°.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 P.M. Overcast and raining. Light E[aster]ly airs. Riding to ebb. Average steam pressure 25 lbs. Temp of bunkers 82°. Fires banked. Distilling. Slack water at 7.55.

(Signed) J. T. Sullivan
Lieut.

From 8 to Midnight. Overcast. Cold. Pleasant. Calm. Foggy. At 8.30 swung to ebb tide. Cum nimb clouds. Banked fires under six boilers. Distilling. Steam pressure 30 lbs. Temp of bunkers 82°.

(Signed) Richard G. Davenport
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns,
Hampton Roads Va.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A.M.															
1				SSW	2-3		30.44	36	29	29		os	Nimb		
2				"	"		30.42	34	31	31		"	"		
3				"	3		30.40	36	32	"		fc	Cum Nimb		
4				"	2-3		30.38	37	34	33		"	"	1	
5				"	"		30.36	38	33	32		"	"	5	
6				"	"		"	37	32	31		"	"	3	
7				"	"		"	"	"	"		"	"	2	
8				"	3		30.38	36	"	"		"	"	0	
9				SW	"		30.32	38	34	34		"	"	1	
10				"	2		30.29	40	37	37		"	"	"	
11				"	"		30.27	41	38	38		"	"	"	
Noon				"	1		30.25	43	39	39		o	Cir Cum Nimb	0	

Record of the sail the vessel is
under at end of watch.

Distance run by Log since preceding Noon	knots		fathoms.	
Latitude by D. R. at Noon	o	'	"	
Longitude by D. R. at Noon	o	'	"	
Latitude by Observations at Noon ⊕	o	'	"	
Longitude by Chronometer from Forenoon Observations ⊕	o	'	"	
Current during the time knots fms. per hour, setting to the				
Variation of the Compass by Amplitude ⊕ observed at Sunrise	o	"	"	
Variation of the Compass by Azimuth ⊕ observed at	o	"	"	
Water expended during the preceding 24 hours			217	gallons
Water during the preceding 24 hours				"
Water remaining on hand fit for me at Noon			2190	"
Coal consumed during the preceding 24 hours	3	tons	100	lbs.
Coal remaining on hand at Noon	114	"	1320	"

[illegible]

Longitude by Chronometer from Afternoon Observations ⊕	o	'	"
Longitude by Chronometer Observations]	o	'	"
Variation of the Compass by Amplitude	o	'	"
observed at Sunset			
Variation of the Compass by	o	'	"
at			

under the command of Commander W. Scott Schley
Tuesday December 12th, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Calm, cool, foggy. Riding to ebb. Slack water at 1.30. Ship swung to flood at 2.10. Fog lifted at 3. Average steam pressure 30 lbs. Temp of bunkers 90°. Distilling.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 A.M. Foggy first hour of watch, remainder of watch cloudy and cold with light S. breeze. Fires banked. Average steam pressure 24 lbs. Temp of bunkers 84°. Distilling watch. At 7.30 Flagship made general signal 3350.

(Signed) J. T. Sullivan
Lieut.

From 8 to Merid. Overcast and cloudy during first part of watch. Afterwards clear and pleasant. Light airs from W. At 9.30 inspected at quarters. Exercised 1st Division at small arms, 2nd Division at single sticks. Powder Div at infantry. At 9.35 Flagship made general signal 1813, and at 10, 5455. At 10.15 loosed sail to dry. 2nd section of boys received instruction in Seamanship, Gunnery and Signals. Boats crews engaged in scraping blocks and cleaning boats. Swung to ebb at 8.45.

(Signed) J.K. Cogswell
Lieut.

From Merid. to 4 P.M. Clear. Cold. Damp. Light variable breeze. Cir cum clouds. At 1.30 had company drill. At 2.30 Flagship made general signal 3108. Exercised with commercial code of signals. At 3.30 Flagship made general signal 4826. Furl sail. At 3.25 Flagship made general signal 4880. At 3.30 Flagship made general signal 2984. Slack water at 2.25. Swung to flood at 3.30. Steam in six boiler. Temp of bunkers 82°. Average steam pressure 25 lbs.

(Signed) Richard G. Davenport
Lieut.

From 4 to 8 P.M. Clear and pleasant. Calm. Riding to flood. At 4.35 Flagship made general signal 2985. Average steam pressure 25 lbs. Temp of bunkers 82°.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Midnight. Clear. Cool. Pleasant. High water at 8.30. Light airs from S and W. Steam 28 lbs. Temp of bunkers 66°.

(Signed) J. K. Cogswell
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns,
Hampton Roads Va.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
				Direction.	Force.	Leeway.	Height in inches.	Ther. air'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A.M.															
1				Calm	0		30.04	46	39	39		fr	Cum	0	
2				"	"		30.03	"	40	40		"	"	"	
3				"	"		30.02	45	41	"		"	"	"	
4				"	"		"	"	"	41		of	"	"	
5				WSW	2		29.28	"	"	"		"	"	"	
6				"	"		"	43	39	39		"	"	"	
7				"	1-2		"	42	37	37		bc	"	"	
8				W	"		30.00	43	38	38		"	Cir Cum	"	
9				"	"		"	"	"	"		"	"	5	
10				"	"		30.05	"	40	40		"	"	6	
11				"	"		"	44	42	41		"	"	6	
Noon				"	1		30.02	48	45	40		"	"	10	

Record of the sail the vessel is
under at end of watch.

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	0	1	11
Longitude by D. R. at Noon	0	1	11
Latitude by Observations at Noon ⊕	0	1	11
Longitude by Chronometer from Forenoon Observations ⊕	0	1	11
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ⊕ observed at Sunrise	0	11	11
Variation of the Compass by Azimuth ⊕ observed at	0	11	11
Water expended during the preceding 24 hours			217 gallons
Water condensed during the preceding 24 hours			730 "
Water remaining on hand fit for me at Noon			2555 "
Coal consumed during the preceding 24 hours	2	tons	580 lbs.
Coal remaining on hand at Noon	112	"	740 "

P.M.									
1	NNW	3	30.02	52	48	49	bc	Cir Cum	10
2	"	"	30.04	53	49	50	"	"	"
3	ENE	"	"	"	44	44	"	Cum	9
4	ESE	1	30.10	49	42	"	"	Cir Nimb	8
5	Calm	0	30.15	48	"	42	"	Cir Str	9
6	SE	1	30.10	47	"	41	"	"	"
7	Calm	0	30.16	46	"	"	"	"	10
8	"	"	30.24	"	"	42	"	"	"
9	"	"	"	"	"	"	"	"	"
10	S	1	"	45	40	40	"	"	"
11	SW	2	"	44	39	39	"	"	"
Mid.	"	"	30.25	43	"	"	"	"	"

Longitude by Chronometer from Afternoon Observations	0	'	"
Longitude by Chronometer Observations	0	'	"
Variation of the Compass by Amplitude	0	'	"
observed at Sunset	0	'	"
Variation of the Compass by	0	'	"
at	0	'	"

under the command of Commander W. Scott Schley
Wednesday December 13th, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear. Cold. Light S.S.W. breeze. Bright starlight. Slack water at 3. Swung to flood at 3.50. Banked fires under six boilers. Distilling. Average steam pressure 25 lbs. Temp of bunkers 68°.

(Signed) Richard G. Davenport

From 4 to 8 A.M. Clear, cool. Light S breeze. Riding to flood. Average steam pressure 20 lbs. Temp of bunkers 80°.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Merid. Clear and pleasant. Light S.W. breeze. Slack water at 8.30. Swung to ebb at 8.50. At 11 Flagship made signal 1087. Average steam pressure 25 lbs. Bunker temp 70°.

(Signed) J. T. Sullivan
Lieut.

From Merid. to 4 P.M. Clear and pleasant, light breeze from S and W. Slack water at 3.30. Richard Jones (Lds) released from confinement. At 1.30 received following telegraphic signals from Flagship, 9279. 7088. 6180. 629. 6199. 6839. 22. 0935. 1267. 9219. 4204. 154. Crew engaged in scraping gaffe and blocks. Received a draft of four men (Coal Heavers) from U.S.S. Montauk who were sent to that vessel for temporary duty, Viz. James Murry, James Hughes, John Pratt and Michael Leary.

(Signed) J. K. Cogswell
Lieut.

From 4 to 8 P.M. Clear, cool, pleasant, light S.S.W. breeze. Slack water at 4.00. Swung to flood at 5.30. Started distiller at 5.20. Banked fires under six boilers. Distilling. Average steam pressure 30 lbs. Temp of bunkers 80°.

(Signed) Richard G. Davenport
Lieut.

From 8 to Midnight. Clear, cool and pleasant, light S.S.W. breeze. Swung to ebb at 9. Banked fires. Distilling. Average steam pressure 30 lbs. Temp of bunkers 66°.

(Signed) J. T. Sullivan
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Hampton Roads Va.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prog. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at't'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1				Calm	0		30.20	44	40	40		b	Str	10		
2				SSW	2		"	"	39	39		"	"	"		
3				"	"		"	43	38	"		"	"	"		
4				"	"		"	"	"	38		"	"	"		
5				S	"		30.28	42	"	"		"	"	"		
6				"	"		"	"	"	"		"	"	"		
7				S by E	"		30.30	"	39	39		"	"	"		
8				S	"		"	43	40	"		fc	"	10		
9				SW	3		"	42	42	40		"	"	"		
10				SSW	"		"	44	44	42		"	"	"		
11				"	3-4		30.26	48	48	44		"	"	"		
Noon				SW by S	"		30.22	50	50	48		"	"	"		
Distance run by Log since preceding Noon											knots		fathoms.			
Latitude by D. R. at Noon											°		'			
Longitude by D. R. at Noon											°		'			
Latitude by Observations at Noon ⊕											°		'			
Longitude by Chronometer from Forenoon Observations ⊕											°		'			
Current during the time											knots		fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊕ observed at Sunrise											°		"			
Variation of the Compass by Azimuth ⊕ observed at											°		"			
Water expended during the preceding 24 hours													218 gallons			
Water during the preceding 24 hours													"			
Water remaining on hand fit for me at Noon													2370 "			
Coal consumed during the preceding 24 hours											2		tons	360		lbs.
Coal remaining on hand at Noon											110		"	380		"
P.M.																
1				SW by S	3-4		30.48	54	53	52		b	Str	10		
2				"	"		"	"	55	54		"	"	"		
3				"	3		30.14	57	"	"		"	"	"		
4				SSW	2		30.11	59	"	50		"	"	"		
5				"	1-2		30.10	60	53	"		"	"	"		
6				"	"		"	58	51	52		"	"	"		
7				S	"		30.11	56	"	51		"	"	"		
8				"	2		30.12	54	52	52		"	"	"		
9				SSW	"		30.14		51	51		bc	"	"		
10				"	3		"	53	50	50		"	"	"		
11				"	"		"	54	48	48		"	"	"		
Mid.				"	"		"	53	46	46		"	"	"		
Longitude by Chronometer from Afternoon Observations ⊕											°		'			
Longitude by Chronometer Observations											°		'			
Variation of the Compass by Amplitude											°		'			
Variation of the Compass by											°		'			

under the command of Commander W. Scott Schley
Thursday December 14th, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant. Light breeze from S and W. Riding to ebb. Steam pressure 25 lbs. Temp of bunkers 85°. Slack water at 4 A.M.

(Signed) J. K. Cogswell
Lieut.

From 4 to 8 A.M. Clear. Cool. Pleasant. Light S[outher]ly breeze. Swung to flood at 7.30. At 7.30 Flagship made general signal 3350. At 8 hoisted guard flag. Banked fires under six boilers. Distilling. Steam pressure 25 lbs. Temp of bunkers 84°.

(Signed) Richard G. Davenport
Lieut.

From 8 to Merid. Clear and pleasant. Light S.W. breeze. At 9.30 inspected at quarters, exercised afterwards at torpedo drill. Expended one exercise torpedo. Slack water at 9.35. Swung to ebb at 10. Average steam pressure 27 lbs. Temp of bunkers 68°. Distilling until 10.30.

(Signed) Wainwright Kellogg
Lieut.

From Merid. to 4 P.M. Clear. Pleasant. Light S.W. breeze. Threw overboard 18 lbs of bread dust condemned by Board of survey. Swung to flood at 2.30. Average steam pressure 25 lbs. Temp of bunkers 68°. Banked fires. Distilling.

(Signed) J. T. Sullivan
Lieut.

From 4 to 8 P.M. Clear and pleasant during first part, afterwards overcast and cloudy. Slack water at 5.15. Swung to ebb at 6. Light breeze from S and W. Average steam pressure 20 lbs. Temp of bunkers 70°.

(Signed) J. K. Cogswell
Lieut.

From 8 to Midnight. Overcast during first part, with light fall of rain. Riding to ebb. Slack water at 9.15. Swung to ebb. Clear and pleasant during latter part. Average steam pressure 30 lbs. Temp of bunkers 88°.

(Signed) Wainwright Kellogg
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns,
Hampton Roads Va.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1				SSW	3		30.14	51	47	47		bc	Cir Cum	6		
2				"	2		"	50	"	46		"	"	3		
3				"	0-1		30.12	49	"	"		b	"	10		
4				"	"		"	"	45	44		"	"	"		
5				S	"		30.14	48	"	45		"	"	"		
6				"	1-2		"	47	"	48		bc	"	8		
7				"	2		30.16	"	"	45		"	"	"		
8				"	"		"	48	47	47		"	"	"		
9				SW	"		30.18	50	48	49		"	"	"		
10				"	"		"	52	"	"		"	"	7		
11				"	"		30.17	54	49	"		"	"	6		
Noon				"	1-2		30.18	55	52	52		"	"	7		

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	0	1	11
Longitude by D. R. at Noon	0	1	11
Latitude by Observations at Noon ⊕	0	1	11
Longitude by Chronometer from Forenoon Observations ⊕	0	1	11
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ⊕ observed at Sunrise	0	11	11
Variation of the Compass by Azimuth ⊕ observed at	0	11	11
Water expended during the preceding 24 hours			218 gallons
Water Condensed during the preceding 24 hours		550	11
Water remaining on hand fit for me at Noon		2190	11
Coal consumed during the preceding 24 hours	2	tons	360 lbs.
Coal remaining on hand at Noon	108	11	20

P.M.									
1	SSW	1-2	30.10	58	55	55	bc	Cir Cum	7
2	"	"	30.06	60	57	57	"	"	"
3	"	2	30.02	"	53	54	"	"	"
4	"	1	"	59	"	"	"	"	5
5	"	2	30.04	"	52	53	"	"	4
6	"	"	30.08	58	53	50	"	"	6
7	"	"	30.06	56	50	"	"	"	2
8	"	"	"	"	"	52	"	"	1
9	"	2-3	30.08	54	52	50	"	Cir Nimb	2
10	S	1-2	30.07	"	51	48	"	"	7
11	SSW	3	30.06	55	48	"	b	"	10
Mid.	"	2-3	"	52	46	"	bc	Cum	8

Longitude by Chronometer from Afternoon Observations \oplus	o	'	"
Longitude by Chronometer Observations]	o	'	"
Variation of the Compass by Amplitude observed at Sunset	o	'	"
Variation of the Compass by at	o	'	"

under the command of Commander W. Scott Schley
Friday December 15th , 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast. Pleasant. Light N[orther]ly breeze. Slack water at 1.30. Banked fires. Average steam pressure 25 lbs. Temp of bunkers 90°.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 A.M. Overcast and cloudy. Fresh breeze from N and W. Flagship signaled 3550 at 7.30. Ship swung to the flood at 4 am. Steam pressure 20 lbs. Temp of bunkers 66°.

(Signed) J. K. Cogswell
Lieut.

From 8 to Merid. Clear. Cool. Pleasant. Light W[ester]ly breeze. At 9.30 general quarters. Exercised Fire Quarters at 10.15.

Providing		Securing		Providing		Securing	
1 st Div.	5m 11s	1 st Div.	9m 15s	1 st Div	2m 35s	1 st Div.	5m 45s
2 nd "	4 10	2 nd "	3 45	2 nd "	1 03	2 nd "	1 20
P.D.	4 10	P.D.	6 30	P.D.	3 30	P.D.	2 23
Eng Div.	1 30	Masters	4 45	Eng Div.	2 30	Eng Div	4 50
Masters	6 30	Surgeons		Masters	2 00	Masters	1 45
Surgeons	4 15	Eng Div.	5 -	Marine	1 00		
Marine	1 00						

Slack water at 11. Instructed Apprentice Boys 3rd section. Banked fires under six boilers. At 10 made universal 7. Average steam pressure 24 lbs. Temp of bunkers 87°.

(Signed) Richard G. Davenport
Lieut.

From Merid. to 4 P.M. Clear and cool. Light N.E. breeze. During first part riding across windward ebb. At 2 swung to ebb. Slack water at 3.45. Average steam pressure 25 lbs. Temp of bunkers 88°.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 P.M. Clear, cool and pleasant. Light S.E. breeze. Swung to flood at 5.10. Commenced distilling at 5.30. Banked fires. Average steam pressure 22 lbs. Temp of bunker 85°.

(Signed) J. T. Sullivan
Lieut.

From 8 to Midnight. Clear. Cold. Moderate. S.S.W. breeze. Bright starlight. Slack water at 10. Swung to ebb at 11. Banked fires under six boilers. Distilling. Temp of bunkers 85°. Average steam pressure 28 lbs.

(Signed) Richard G. Davenport
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Hampton Roads Va.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prog. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.															
1				SSW	1-2		30.06	51	47	47		bc	Nimb	3	
2				"	2-3		"	50	49	50		"	"	"	
3				SW	1-2		"	"	"	49		o	"	"	
4				W	"		30.08	"	48	48		"	"	0	
5				WNW	2-3		"	52	49	51		oc	Cum Nimb	"	
6				"	2		30.12	51	48	"		"	"	"	
7				"	"		30.18	50	"	"		"	"	"	
8				"	"		30.21	51	50	"		"	"	"	
9				"	3		30.25	"	48	48		bc	"	1	
10				NW	"		30.29	50	46	47		"	Str	4	
11				"	"		"	"	44	45		"	"	8	
Noon				N by W	"		"	"	43	43		"	"	9	
Distance run by Log since preceding Noon											knots	fathoms.			
Latitude by D. R. at Noon											o	i			
Longitude by D. R. at Noon											o	i			
Latitude by Observations at Noon ⊕											o	i			
Longitude by Chronometer from Forenoon Observations ⊕											o	i			
Current during the time											knots	fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊕ observed at Sunrise											o	"			
Variation of the Compass by Azimuth ⊕ observed at											o	"			
Water expended during the preceding 24 hours												218 gallons			
Water during the preceding 24 hours												"			
Water remaining on hand fit for me at Noon												2555 "			
Coal consumed during the preceding 24 hours											2	tons	1230	lbs.	
Coal remaining on hand at Noon											105	"	1030	"	
P.M.															
1				NE by N	3		30.29	49	47	48		bc	Cir Cum		
2				"	"		30.28	48	"	47		"	"		
3				NE	"		30.29	"	44	44		"	"		
4				E by N	"		"	53	46	46		"	"		
5				E by S	"		30.26	51	43	43		"	"		
6				ESE	"		"	48	41	42		"	"		
7				SSW	"		"	47	40	41		"	"		
8				"	"		30.27	46	"	40		"	"		
9				"	"		30.26	45	39	"		"	"		
10				"	4		"	44	38	39		"	"		
11				"	3		30.24	43	"	"		"	"		
Mid.				"	"		"	42	"	"		"	"		
Longitude by Chronometer from Afternoon Observations ⊕											o	i			
Longitude by Chronometer Observations											o	i			
Variation of the Compass by Amplitude											o	i			
Variation of the Compass by											o	i			

under the command of Commander W. Scott Schley
Saturday December 16th, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and cold. Moderate S.W. breeze. Riding to ebb. Average steam pressure 30 lbs. Temp of bunkers 80°. Distilling.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 A.M. Clear and cool. Fresh S.W[ester]ly wind. Swung to flood at 7.45. At 7.30 Flagship made general signal 3350. Average steam pressure 31 lbs. Temp of bunkers 85°. Distilling water.

(Signed) J. T. Sullivan
Lieut.

From 8 to Merid. Clear and pleasant. Fresh breeze from S and W. High water at 10.30. Steam pressure 30 lbs. Temp of bunkers 80°.

(Signed) J. K. Cogswell
Lieut.

From Merid. to 4 P.M. Clear and pleasant. Moderate breeze from N and W. Riding to ebb. Midshipman Henderson ordered to "Pinta", temporary duty. Threw overboard 72 lbs condemned butter, scrapings and leavings. Received onboard Surgeons stores Viz. Chlorinated lime 80 lbs. Sulphate of iron 25 lbs. Carbolic Acid 5 lbs. Sulphur 1 lbs. Nitric Acid 1/2 lbs. Ledger Disinfecting fluid 1 qt. By order of Comdg Officer the following punishments were inflicted:

John Hallisey (2.C.B.) solitary confinement on bread and water two days.

Samuel Griffin (B) Toe a seam two hours from hammocks.

Fred Wolfinger (B) " " " " " " " "

John Pettit (O.S. 2nd C) " " " " " " " "

John Hashagan (O.S. 2nd C) Two nights ~~weather~~ extra anchor watch.

Geo. W. Ham (B) Two days extra duty.

J. P. Marker (B) Seven " " " "

Herman Meyer (B) Four " " " "

John Millmore (B) Toe a seam two hours after hammocks.

John P. Marker (B) " " " one " " " "

Flint (P.M) Extra post, watch and watch, 8 A.M. to 8 P.M. 17th inst.

Thos Murphy (O.L. 2nd C) Stand one anchor watch every alternate night for one week.

Average steam pressure 35 lbs. Temp of bunkers 88°.

(Signed) Richard G. Davenport
Lieut.

From 4 to 8 P.M. Clear and cool, fresh N.E[aster]ly breeze. Slack water 4.30. Swung to flood at 5 o'clock. Average steam pressure 25 lbs. Temp of bunkers 80°.

(Signed) Wainwright Kellogg, Lieut.

From 8 to Midnight. Clear and cold. Wind from N and E, blowing in occasional squalls. Tide turned to ebb at 11.45.

(Signed) J. K. Cogswell, Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Hampton Roads Va.

Hour.	Knots.	Fathoms.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prog. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.		Force.	Height in inches.	Ther. at't'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.															
1				SW	2-3		30.24	43	38	38		None	10		
2				SW by S	"		"	"	37	"		"	"		
3				"	"		"	42	"	37		"	"		
4				"	3-4		30.20	"	38	38		"	"		
5				"	"		30.08	43	39	40		"	9		
6				"	"		30.10	"	40	"		Cum	"		
7				"	4		30.12	45	41	41		"	"		
8				"	"		30.14	44	"	"		"	"		
9				WSW	"		"	47	44	44		"	10		
10				W	3-4		30.16	49	47	"	"	"	"		
11				W by N	3		30.18	50	49	46	"	"	"		
Noon				"	"		"	52	"	48	"	"	"		
Distance run by Log since preceding Noon										knots		fathoms.			
Latitude by D. R. at Noon										o	'	"			
Longitude by D. R. at Noon										o	'	"			
Latitude by Observations at Noon ⊕										o	'	"			
Longitude by Chronometer from Forenoon Observations ⊕										o	'	"			
Current during the time										knots		fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊕ observed at Sunrise										o	'	"			
Variation of the Compass by Azimuth ⊕ observed at										o	'	"			
Water expended during the preceding 24 hours												218 gallons			
Water Condensed												during the preceding 24 hours		730 "	
Water remaining on hand fit for me at Noon												2190 "			
Coal consumed during the preceding 24 hours										2	tons	1560	lbs.		
Coal remaining on hand at Noon										102	"	1710	"		
P.M.															
1				WNW	3		30.20	53	48			None	10		
2				"	2-3		30.22	54	47			"	"		
3				"	2		30.24	58	48			"	"		
4				"	2-3		30.25	58	48			"	"		
5				NNE	3		30.29	55	"			"	"		
6				NE by N	4		30.34	48	42			"	"		
7				NE	4-6		30.42	44	38			"	"		
8				"	4		30.49	42	35			"	"		
9				N	4-5		30.52	36	33			"	"		
10				NE by E	"		30.55	"	28			"	"		
11				"	"		"	"	"			"	"		
Mid.				"	"		"	"	"			"	"		
Longitude by Chronometer from Afternoon Observations ⊕										o	'	"			
Longitude by Chronometer Observations										]		o	'	"	
Variation of the Compass by Amplitude										observed at Sunset		o	'	"	
Variation of the Compass by										at		o	'	"	

under the command of Commander W. Scott Schley
Sunday December 17th, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear. Freezing. Fresh N[orther]ly breeze. Bright starlight. Swung to ebb at 12.45. Banked fires under six boilers. Distilling. Average steam pressure 25 lbs. Temp of bunkers 66°.

(Signed) Richard G. Davenport
Lieut.

From 4 to 8 A.M. Clear. Freezing. Fresh breeze from N.E. by N. Slack water at 5. Swung to flood at 6. Banked fires under six main boilers. Steam pressure 25 lbs. Temp of bunkers 80°. At 8 hoisted guard flag. At 7.30 Flagship made general signal 3350.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Merid. Overcast. Cold. Light N.E. breeze. Slack water at 11.30. At 9.45 Comdg Officer inspected at quarters. At 10 held divine service. Average steam pressure 25 lbs. Temp of bunkers 82°. Banked fires. Placed John V. Harion (2 CB) and John Hashagan (O.S. 2nd C) in double irons, full ration, for neglect of duty while on fog watch.

(Signed) J. T. Sullivan
Lieut.

From Merid. to 4 P.M. Overcast and cloudy. Light wind from N and E. High water at 12.30. Sent visiting party to "Hartford", five of whom fell overboard while getting into boat from "Hartford's" boom, life line parted.

(Signed) J. K. Cogswell
Lieut.

From 4 to 8 P.M. Overcast and cold. Light N.E. breeze. At 4.30 Flagship made general signal 2985. At 4.30 commenced distilling. Slack water at 6. Swung to flood at 7.15. Banked fires. Average steam pressure 25 lbs. Temp of bunkers 84°.

(Signed) Richard G. Davenport
Lieut.

From 8 to Midnight. Cloudy and cold. Light N.E[aster]ly airs. Fires banked under six boilers. Average steam pressure 20 lbs. Temp of bunkers 85°. Distilling water. Riding to flood tide.

(Signed) J. T. Sullivan
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Hampton Roads Va.

Hour.	Knots.	Fathoms.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.														
1			NNW	2-5		30.58	35	30	30		b	Cir Cum	10	
2			N by W	"		30.60	34	29	29		"	"	"	
3			N by E	"		30.62	"	28	28		"	"	"	
4			NE	5		30.65	"	"	"		"	"	9	
5			NE by N	4-5		30.68	32	26	26		bc	"	"	
6			"	"		30.75	28	25	25		oc	"	"	
7			"	"		30.80	"	24	25		"	"	"	
8			"	3-4		"	30	"	"		"	"	"	
9			"	"		"	32	27	27		bc	"	7	
10			"	"		"	34	29	28		"	"	3	
11			NE	"		30.78	"	"	29		"	"	1	
Noon			NE by E	"		30.78	"	30	30		oc	"	"	
.														
Distance run by Log since preceding Noon										knots		fathoms.		
Latitude by D. R. at Noon										o		i		"
Longitude by D. R. at Noon										o		i		"
Latitude by Observations at Noon ⊕										o		i		"
Longitude by Chronometer from Forenoon Observations ⊕										o		i		"
Current during the time										knots		fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊕ observed at Sunrise										o		"		"
Variation of the Compass by Azimuth ⊕ observed at										o		"		"
Water expended during the preceding 24 hours										218 gallons				
Water during the preceding 24 hours										"				
Water remaining on hand fit for me at Noon										2190 "				
Coal consumed during the preceding 24 hours										2	tons	1650	lbs.	
Coal remaining on hand at Noon										100	"	60	"	
P.M.														
1			ENE	1-2		30.76	35	33	32		oc	Cir Cum	0	
2			NE	"		30.74	39	35	33		"	"	"	
3			ENE	"		30.70	40	40	36		"	"	"	
4			N by E	"		"	"	37	34		Bc	"	"	
5			NE	2		30.69	43	"	"		o	Cum Nimb"	"	
6			"	3		30.66	"	35	"		"	"	"	
7			NE by E	2-3		"	42	"	"		"	"	"	
8			"	2		30.61	"	"	35		"	"	"	
9			NNE	"		30.62	"	"	"		"	"	"	
10			"	"		30.60	"	36	"		bc	"	"	
11			"	"		30.58	"	"	36		"	"	"	
Mid.			"	"		30.56	"	37	"		"	"	"	
Longitude by Chronometer from Afternoon Observations ⊕										o		i		"
Longitude by Chronometer Observations										o		i		"
Variation of the Compass by Amplitude										o		i		"
Variation of the Compass by										o		i		"

under the command of Commander W. Scott Schley
Monday December 18th, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast and cold. Gentle breeze from N. and W. High water at 12.45. Steam pressure 20 lbs. Temp of bunkers 80°.

(Signed) J. K. Cogswell
Lieut.

From 4 to 8 A.M. Overcast. Cold. Disagreeable. Light N.W. breeze. At 5 a dense fog set in, commenced ringing fog bell. Slack water at 5.30. Swung to flood at 6.30. Steam in six boilers. Average steam pressure 22 lbs. Temp of bunkers 84°. Distilling. Hauled down guard flag at 8.

(Signed) Richard G. Davenport
Lieut.

From 8 to Merid. Overcast and foggy, with occasional showers of rain, light airs from N and W during first part. Shifting to S and W afterwards. Pumped ship out during watch. 4th and 5th section of boys received instructions in seamanship, gunnery and signals. Ship riding to the flood. Average steam pressure 25 lbs. Temp of bunkers 82°. Distilling in operation.

(Signed) Wainwright Kellogg
Lieut.

From Merid. to 4 P.M. Overcast and foggy during first part. Riding to flood. Slack water at 12.30. Swung to ebb at 1.40. At 2.30 fog lifted. John Hallisey (2 CB0 and J. V. Marion (2 CB) and John Hashagan (O.L. 2nd C) were released from confinement. Average steam pressure 25 lbs. Temp of bunkers 82°. Stopped distilling at 3.20. Raining during latter part of watch.

(Signed) J. T. Sullivan
Lieut.

From 4 to 8 P.M. Overcast, rainy, snowy, cold. Fresh N.W. breeze. Low water at 6.30. Swung to flood at 7.30.

(Signed) J. K. Cogswell
Lieut.

From 8 to Midnight. Clear and freezing. Fresh breeze with heavy squalls from N.N.W. At 8 let go starboard anchor and veered to 75 fathoms on port chain. Riding to flood during watch. Banked fires under six main boilers. Steam pressure 22 lbs. Temp of bunkers 85°.

(Signed) Wainwright Kellogg
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Hampton Roads Va.

Hour.	Knots.	Fathoms.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prog. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.															
1			NNW	0-1		30.48	41	37	34		our	Nimb	0		
2			"	"		30.46	"	36	"		"	"	"		
3			"	"		30.42	"	"	"		"	"	"		
4			"	"		"	"	"	"		"	"	"		
5			NW	1		"	"	"	35		"	"	"		
6			"	"		30.39	40	35	"		of	"	"		
7			"	2		30.36	39	"	"		"	"	"		
8			"	"		30.33	38	"	"		"	"	"		
9			"	0-1		30.36	39	"	36		"	"	"		
10			S	1		30.26	40	30	38		"	"	"		
11			"	0		30.19	42	38	39		ofr	"	"		
Noon			S by N	0-1		30.18	43	40	"		Of	"	"		
Distance run by Log since preceding Noon										Knots		fathoms.			
Latitude by D. R. at Noon										0		"		"	
Longitude by D. R. at Noon										0		"		"	
Latitude by Observations at Noon ⊕										0		"		"	
Longitude by Chronometer from Forenoon Observations ⊕										0		"		"	
Current during the time										knots		fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊕ observed at Sunrise										0		"		"	
Variation of the Compass by Azimuth ⊕ observed at										0		"		"	
Water expended during the preceding 24 hours										218 gallons					
Water Condensed during the preceding 24 hours										730 "					
Water remaining on hand fit for me at Noon										2555 "					
Coal consumed during the preceding 24 hours										2	tons	140	lbs.		
Coal remaining on hand at Noon										87	"	2160	"		
P.M.															
1			W	1		30.09	48	40	38		of	Nimb	0		
2			"	1-2		30.06	44	39	"		ofr	"	"		
3			W by N	"		"	"	"	"		or	"	"		
4			"	2-3		30.03	"	"	"		o	"	"		
5			"	"		30.10	"	"	"		ors	"	"		
6			NW by N	"		30.12	"	38	"		osg	"	"		
7			"	4		30.31	"	35	30		bcq	"	"		
8			NNW	4-6		30.31	40	33	33		"	Cir Cum	9		
9			"	3-7		30.32	42	30	20		"	"	"		
10			"	"		30.35	38	26	26		"	"	"		
11			"	"		30.36	35	25	25		"	"	"		
Mid.			"	"		30.40	30	24	24		"	"	"		
Longitude by Chronometer from Afternoon Observations ⊕										0		"		"	
Longitude by Chronometer Observations															

under the command of Commander W. Scott Schley
Tuesday December 19th, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and cold. Light N.W[ester]ly airs. Swung to starboard, to ebb at 1.30. Clear hawse. Fires banked. Average steam pressure 20 lbs. Temp of bunkers 72°.

(Signed) J.T. Sullivan
Lieut.

From 4 to 8 A.M. Clear and cold. Light breeze from W. hauling to S. Low water at 7. Hove up starboard anchor and hove in on port chain to 60 fathoms. Received fresh provisions for crew. Hoisted guard flag at 8. Steam pressure 20 lbs. Temp of bunker 74°. Geo W. Ham (2.CA) ran from boat while ashore on duty. At 7.30 Flagship made general sign al 3350.

(Signed) J. K. Cogswell
Lieut.

From 8 to Merid. Clear and freezing. Fresh S.S.W. breeze. Riding across tide until 9 when swung to flood. At 9.30 mustered at quarters. At 9.50 Flagship made general signal 1087. Average steam pressure 25 lbs. Temp of bunkers 85°. Slack water at 11. Swung to ebb at 12.

(Signed) Richard G. Davenport
Lieut.

From Merid. to 4 P.M. Clear and cold. Fresh S.W. breeze. At 3 "Plymouth" went alongside "Montauk". Afterwards cast off and anchored. Average steam pressure 21 lbs. Temp of bunkers 80°. Riding to ebb. Banked fires.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 P.M. Clear and cool, light breeze from S and W. Dingey in hauling out lost rudder and boat hook. Flagship made general signal 2985, afterwards 2984. Slack water at 6.30. Average steam pressure 22 lbs. Temp of bunkers 88°. Distilling.

(Signed) J. T. Sullivan
Lieut.

From 8 to Midnight. Clear. Cold. Pleasant. Light W[ester]ly breeze. Bright starlight. Moon sat at 8.20. Riding across tide until 10 when swing to flood. Banked fires under six boilers. Distilling. Average steam pressure 25 lbs. Tempo of bunkers 85°.

(Signed) Richard G. Davenport
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns,
Hampton Roads Va.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.						
A.M.																
1				NW	3		30.49	29	25	26		b		10		
2				"	"		30.46	"	26	27		"		"		
3				"	2		30.42	"	"	"		"		"		
4				"	"		30.40	"	"	"		"		"		
5				NNW	"		30.44	28	"	22		"		"		
6				SW	"		30.48	"	24	"		"		"		
7				"	"		"	"	"	"		"		"		
8				SSW	"		30.50	"	"	"		"		"		
9				"	4		"	33	29	28		"		"		
10				"	"		"	34	28	"		"		"		
11				SW by S	"		"	35	30	29		"		"		
Noon				"	"		30.49	37	32	30		"		"		

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	0	1	11
Longitude by D. R. at Noon	0	1	11
Latitude by Observations at Noon ⊕	0	1	11
Longitude by Chronometer from Forenoon Observations ⊕	0	1	11
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ⊕ observed at Sunrise	0	11	11
Variation of the Compass by Azimuth ⊕ observed at	0	11	11
Water expended during the preceding 24 hours			218 gallons
Water			11
Water remaining on hand fit for me at Noon			2555 11
Coal consumed during the preceding 24 hours	2	tons	800 lbs.
Coal remaining on hand at Noon	95	11	1360 11

P,M								
1	W by S	3	30.40	40	36	34	bc	10
2	WSW	"	"	43	39	36	"	"
3	SW by W	"	30.36	45	41	37	"	"
4	"	"	"	"	40	38	"	"
5	WSW	12	30.38	42	39	36	b e	"
6	"	"	"	48	33	37	"	"
7	SW by W		30.43	44	38	36		
8	"	"	30.44	43	"	"	"	"
9	"	"	"	"	"	"	"	"
10	W	"	"	"	37	"	"	"
11	W by N	2	30.45	"	36	"	"	"
Mid.	NNW	"	30.46	"	"	"	"	"

Longitude by Chronometer from Afternoon Observations ⊕	0	'	"
Longitude by Chronometer Observations]	0	'	"
Variation of the Compass by Amplitude observed at Sunset	0	'	"
Variation of the Compass by at	0	'	"

under the command of Commander W. Scott Schley , U. S. Navy.
Wednesday December 20th , 1876.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear. Cool. Light airs first part of watch gradually increased to fresh breeze from N.E. Swinging to flood tide during watch. Average steam pressure 22 lbs. Temp of bunkers 76°. Distilling during watch. Banked fires under 6 main boilers.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 A.M. Clear and pleasant. Moderate breeze from N.E. At 7.30 flagship made general signal 3350.

(Signed) Jn T. Sullivan
Lieut.

From 8 to Merid. Clear and cold. Light N.E. breeze. At 9.30 flagship made general signal 3248. Inspected at quarters at 9.30. At 10 Commander Schley and Lieut.s Walker and Sullivan went on board the "Hartford" for duty as members of a general court martial. At 10 a general court martial convened on board the "Hartford". AT 10.45 the "Plymouth" got underweigh and went alongside the "Montauk" to coal. Weigh anchor at 12. John Lucey (1st Cl. Boy) was released from prisoner at large by order the Commanding Officer. The following punishments inflicted by order of the Commanding Officer.

Viz:

J. V. Marien (2 nd Cl. Boy)	Two nights extra watch on quarter deck.
J. C. Sills "	Work on quarterdeck at clothes.
R. J. Vermillion (O.Sea 3 rd Cl)	" " " " "
J. C. Sills (2 nd Cl. Boy)	On quarterdeck with bag during working hours: Two days.
Herman Meyer "	" " from hammocks to tattoo: relieve sig. boy.
Henry Simpson "	Boatkeeper, when boat is lowered, until further orders.
W. J. Hasson "	Extra duty.

Average steam pressure 25 lbs. Temp. of bunkers 77°. Distilling. Banked fires.

(Signed) J. K. Cogswell
Lieut.

From Merid. to 4 P.M. Clear, cold and pleasant. Fresh breeze from N. At 1.30 swung to the ebb. At 1.45 flagship made signal 4557. Average steam pressure during watch 25 lbs. Temp of bunkers 78°. At 1.40 stopped distilling.

(Signed) Richard G. Davenport
Lieut.

From 4 to 8 P.M. Overcast and cold. Light N.E. breeze. Slack water at 7.30. Commenced to swing to flood at 7.45. Banked fires. Average steam pressure 25 lbs. Temp of bunkers 80°. Riding across wind and tide. At 7 o'clock hauled fires from 4 boilers.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Midnight. Clear and cold. Light breeze from N.E., which shifted at 11 to N.W. Riding to flood.

(Signed) J. K. Cogswell
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Hampton Roads Va.

Hour.	Knots.	Fathoms.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.															
1			NE	34		30.40	35	33		bc	Cir Cum	9			
2			"	"		30.42	"	30	35	"	"	"			
3			"	4-6		30.40	"	"	30	"	"	"			
4			"	"		30.50	"	"	"	"	"	"			
5			"	4		"	34	"	"	"	"	"			
6			"	3		"	33	"	"	"	"	"			
7			"	"		30.55	34	"	"	"	"	"			
8			"	"		"	35	"	"	"	"	"			
9			N by E	"		30.60	38	"	31	b	"	10			
10			NE by N	"		30.62	"	31	"	"	"	"			
11			"	"		"	"	32	32	"	"	"			
Noon			N by E	"		30.62	"	"	34	"	"	"			
Distance run by Log since preceding Noon															
										knots	fathoms.				
Latitude by D. R. at Noon										°	'	"	"		
Longitude by D. R. at Noon										°	'	"	"		
Latitude by Observations at Noon ⊕										°	'	"	"		
Longitude by Chronometer from Forenoon Observations ⊕										°	'	"	"		
Current during the time										knots	fms. per hour, setting to the				
Variation of the Compass by Amplitude ⊕ observed at Sunrise										°	"	"	"		
Variation of the Compass by Azimuth ⊕ observed at										°	"	"	"		
Water expended during the preceding 24 hours											218 gallons				
Water Condensed during the preceding 24 hours											730 "				
Water remaining on hand fit for me at Noon											2190 "				
Coal consumed during the preceding 24 hours										1	tons	1660	lbs.		
Coal remaining on hand at Noon										93	"	1940	"		
P.M.															
1			N	2-3		30.50	40	33		b	Ci Cum ste				
2			"	"		30.55	"	34		bc	"	8			
3			"	"		30.58	41	36		"	"	5			
4			"	"		30.53	42	35		"	Ci Cum	"			
5			"	"		30.54	40	34		"	Ci ste	6			
6			N by E	"		30.53	"	33		o	Cum Nimb	0			
7			NE	"		30.52	"	"		"	"	"			
8			"	"		30.50	"	34		"	"	"			
9			"	2		30.40	39	"		"	Nimb	"			
10			NW	3		30.45	"	32		"	"	"			
11			"	"		30.44	"	"		"	"	"			
Mid.			"	"		"	"	"		"	"	"			
Longitude by Chronometer from Afternoon Observations ⊕										°	'	"	"		
Longitude by Chronometer Observations]										°	'	"	"		
Variation of the Compass by Amplitude observed at Sunset										°	'	"	"		
Variation of the Compass by at										°	'	"	"		

under the command of Commander W. Scott Schley
Thursday December 21st, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast. Cool. Light N.W. breeze. Cum nimb clouds. Slack at 2. Swung to ebb at 2.30. Banked fires under two boilers. Average steam pressure 25 lbs. Temp of bunkers 83°.

(Signed) Richard G. Davenport
Lieut.

From 4 to 8 A.M. Overcast, cold. Light N.W. breeze. Swung to ebb during watch. Slack water at 7.45. At 6.30 U.S.S. "Plymouth" got underway and stood up the Roads towards Norfolk. At 7.30 brought to on port chain and hove in to 30 fathoms. At 8 hoisted guard flag. Steam in two boilers. Pressure 25 lbs. Temp of bunkers 70°. Flagship made general signal 3350 at 7.30.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Merid. Overcast and cloudy, light airs from W, changing to S and W. Ship swung to the flood at 9 AM. Received on board overcoats for ships company. At 10.05 called all hands up anchor, manned bars and hove port anchor up to the cathead. (clear anchor) At 11.20 let go port anchor. The fifteen fathom shackle breaking in the crown we lost the port anchor and fifteen fathoms of chain. Let go starboard anchor immediately. Bearings at anchorage, Old Point Light N.E. 1/2 N. Rip Raps E. by S 1/2 S. Made all preparation for sweeping for anchor. At 11.45 made the following telegraphic signals to Flagship. 5468. 4973. 0383. 9409. 8131. 7277. 0776. 4308. 6022. 2548. 5468. 6179. 4578. 401. 9279. 945. 4045. 3978. 629. 0771. 026. 7277. 0970. 2333. 0935. 9092. 4204. 6022. 945. 6861.

(Signed) J. T. Sullivan
Lieut.

From Merid. to 4 P.M. Overcast first part. Rising to flood. Engaged in sweeping for port anchor and chain. At 3.15 swung to ebb tide. At 3.45 got hold of starboard anchor and hoisted it up. Average steam pressure 30 lbs. Temp of bunkers 76°.

(Signed) J. K. Cogswell
Lieut.

From 4 to 8 P.M. Clear and pleasant. Light N.E. airs. While dragging for port anchor grappled starboard anchor, hove it in sight and let go. At 4.30 Flagship made general signal 2985. Wind shifted during latter part to S. by E. Ship riding to the ebb. Steam pressure 22 lbs. Temp of bunkers 76°. Distilling in operation.

(Signed) Richard G. Davenport
Lieut.

From 8 to Midnight. Hazy and raw, cold weather. Light E[aster]ly airs. Swung to flood at 9.30. Distilling water. Average steam pressure 25 lbs. Temp of bunkers 76°.

(Signed) J. T. Sullivan
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns,
Hampton Roads Va.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A.M.															
1				NW	3		30.40	38	34	33		o	Cum Nimb	0	
2				"	"		30.42	37	33	"		"	"	"	
3				"	"		30.40	"	"	"		"	"	"	
4				"	"		30.38	"	"	"		"	"	"	
5				"	"		30.36	"	"	"		bc	Cir Cum Nimb	2	
6				"	2		30.34	"	34	34		"	"	3	
7				"	1		30.30	"	"	"		"	"	2	
8				"	"		30.28	"	35	35		"	"	"	
9				W	"		30.28	36	40	37		"	Cir Cum	1	
10				"	0-1		30.27	37	42	38		oc	"	0	
11				SSW	"		30.24	42	43	40		"	"	"	
Noon				"	"		30.22	43	45	41		"	"	1	

Record of the sail the vessel is
under at end of watch.

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	0	1	"
Longitude by D. R. at Noon	0	1	"
Latitude by Observations at Noon ⊕	0	1	"
Longitude by Chronometer from Forenoon Observations ⊕	0	1	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ⊕ observed at Sunrise	0	"	"
Variation of the Compass by Azimuth ⊕ observed at	0	"	"
Water expended during the preceding 24 hours			218 gallons
Water during the preceding 24 hours			"
Water remaining on hand fit for me at Noon			2190 "
Coal consumed during the preceding 24 hours		tons	2000 lbs.
Coal remaining on hand at Noon	92	"	2180 "

[illegible]

Longitude by Chronometer from Afternoon Observations \oplus .		0	'	"
Longitude by Chronometer Observations	]	0	'	"
Variation of the Compass by Amplitude	observed at Sunset	0	'	"
Variation of the Compass by	at	0	'	"

under the command of Commander W. Scott Schley
Friday December 22nd, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather cloudy and cool. Light S[outher]ly airs. At 3.15 swung to ebb

(Signed) J. K. Cogswell
Lieut

From 4 to 8 A.M. Overcast. Rainy. Cold. Disagreeable. Thick. Light S.S.E[aster]ly breeze. Nimb clouds. Banked fires two boilers. Distilling. Temp of coal bunkers 70°. Steam pressure 30 lbs. Riding to ebb. At 8 hauled down guard flag.

(Signed) Richard G. Davenport
Lieut.

From 8 to Merid. Overcast rainy. Light breeze from S. and E. Riding to ebb. Slack water at 8.43. Swung to flood at 9.30. At 9 veered to 60 fathoms, starboard chains. Average steam pressure 27 lbs. Temp of bunkers 74°. Distilling.

(Signed) Wainwright Kellogg
Lieut.

From Merid. to 4 P.M. Overcast and rainy. Light S.E. breeze. At 12.30 stopped distilling. At 1.15 flagship made general signal 1085. At 2 "Ranger" hove in sight and came to anchor at 2.30. At 3.30 "Pinta" went alongside Flagship. Average steam pressure 25 lbs. Temp of bunkers 68°.

(Signed) John T. Sullivan
Lieut.

From 4 to 8 P.M. Overcast, foggy, raining. Light airs from W. Riding to ebb. At 5.20 "Pinta" came to anchor. At 5.20 Comdg Officer left ship on leave of absence. Slack water at 7.30. Average steam pressure 25 lbs. Temp of bunkers 68°.

(Signed) J. K. Cogswell
Lieut.

From 8 to Midnight. Overcast, foggy first two hours of watch, clear two latter hours. At 11 slack water. At 11.15 swung to flood. Steam in two boilers. Average pressure of steam during watch 28 lbs. Temp of bunkers 83°.

(Signed) Wainwright Kellogg
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Hampton Roads Va.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.															
1			S	0-1		30.16	43	40	38		bc	Cir Str	5		
2			"	1		30.15	"	"	39		"	"	4		
3			SSE	"		30.13	"	"	"		"	Cum Nimb	0		
4			"	"		30.13	"	"	"		"	"	"		
5			"	2		30.12	"	"	40		or	Nimb	"		
6			"	1		30.10	"	41	41		"	"	"		
7			"	"		30.08	"	42	41		"	"	"		
8			"	"		30.05	"	43	"		"	"	"		
9			ESS	"		30.02	46	44	"		"	"	"		
10			E by S	"		29.98	"	44	43		"	"	"		
11			SSE	"		29.94	47	43	44		"	"	"		
Noon			"	"		29.89	48	"	43		"	"	"		
Distance run by Log since preceding Noon															
										knots	fathoms.				
Latitude by D. R. at Noon										0	"	"	"	"	
Longitude by D. R. at Noon										0	"	"	"	"	
Latitude by Observations at Noon ⊕										0	"	"	"	"	
Longitude by Chronometer from Forenoon Observations ⊕										0	"	"	"	"	
Current during the time										knots	fms. per hour, setting to the				
Variation of the Compass by Amplitude ⊕ observed at Sunrise										0	"	"	"	"	
Variation of the Compass by Azimuth ⊕ observed at										0	"	"	"	"	
Water expended during the preceding 24 hours													218	gallons	
Water during the preceding 24 hours													730	"	
Water remaining on hand fit for me at Noon													2190	"	
Coal consumed during the preceding 24 hours										1	tons	160	lbs.		
Coal remaining on hand at Noon										91	"	2020	"		
P.M.															
1			SSE	1	4	29.84	47	43	43		or	Nimb	0		
2			S	"		29.80	"	44	44		or	"	"		
3			SW	1-2		29.78	48	"	45		"	"	"		
4			"	"		29.76	"	46	46		of	"	"		
5			"	0-1		29.79	"	44	44		ofr	"	"		
6			"	1-2		"	"	"	43		"	"	"		
7			"	"		29.80	"	43	44		of	"	"		
8			W	"		29.79	"	44	"		"	"	"		
9			WSW	"		29.80	"	"	"		"	"	"		
10			"	"		"	"	"	"		bc	Cum Nimb	"		
11			"	"		"	"	"	"		"	"	3		
Mid.			"	"		"	"	"	"		"	"	5		
Longitude by Chronometer from Afternoon Observations ⊕										0	"	"	"	"	
Longitude by Chronometer Observations]										0	"	"	"	"	
Variation of the Compass by Amplitude observed at Sunset										0	"	"	"	"	
Variation of the Compass by at										0	"	"	"	"	

under the command of Commander W. Scott Schley
Saturday December 23rd, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Partly cloudy weather, and cool. Light N.W[ester]ly breeze. Swung to the ebb tide at 12.30. Average steam pressure 30 lbs. Temp of bunkers 70°.

(Signed) J. T. Sullivan
Lieut.

From 4 to 8 A.M. Weather cloudy and cool. Moderate breeze from N. and W. Riding to the ebb. At 7.30 the Ranger got underway and left for Norfolk. Flagship signaled 3350 at 7.30. Steam pressure 28 lbs. Temp of bunkers 80°. Received fresh provisions for crew.

(Signed) J. K. Cogswell
Lieut.

From 8 to Merid. Clear and cool. Light N breeze. Swung to flood at 9.45. Average steam pressure 20 lbs. Temp of bunkers 74°.

(Signed) R. G. Davenport
Lieut.

From Merid. to 4 P.M. Clear cool and pleasant. Light breeze from N. Ship riding to the flood. At 1.20 Chief Engineer P.A. Rearick and P.A. Paymaster S.D. Hurlburt left the ship on five days leave of absence. Lieut. R. G. Davenport left the ship on seven days leave of absence. Slack water at 3.30. Average steam pressure 25 lbs. Temp of bunkers 87°. At 3.30 Flagship made general signal 2984. Piped down wash clothes.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 P.M. Overcast cool and pleasant. Light N[orther]ly breeze. At 4.50 swung to ebb. Banked fires. Average steam pressure 22 lbs. Temp of bunkers 85°. Distilling.

(Signed) J. T. Sullivan
Lieut.

From 8 to Midnight. Weather cloudy and cool. Moderate N.E. breeze. Swung to the flood at 10.40. Steam pressure 30 lbs. Temp of bunkers 76°.

(Signed) J. K. Cogswell
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns,
Hampton Roads Va.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A.M.															
1				W	3		29.82	43	43	43		bc	Cum Nimb	8	
2				"	"		29.86	"	42	41		"	"	4	
3				NW	"		29.88	"	42	41		"	"	2	
4				"	"		29.94	"	"	"		"	"	1	
5				NNW	"		29.94	39	37	36		"	"	"	
6				N	"		30.16	"	39	38		"	"	2	
7				"	"		30.16	40	38	36		"	"	3	
8				"	3-4		30.18	"	39	38		"	"	1	
9				"	"		"	"	"	"		"	"	"	
10				"	"		30.24	"	"	"		"	"	"	
11				"	"		"	"	"	"		"	"	"	
Noon				"	"		"	"	"	"		"	"	"	

Record of the sail the vessel is
under at end of watch.

Distance run by Log since preceding Noon	knots		fathoms.	
Latitude by D. R. at Noon	o	'	"	
Longitude by D. R. at Noon	o	'	"	
Latitude by Observations at Noon ⊕	o	'	"	
Longitude by Chronometer from Forenoon Observations ⊕	o	'	"	
Current during the time knots fms. per hour, setting to the				
Variation of the Compass by Amplitude ⊕ observed at Sunrise	o	"	"	
Variation of the Compass by Azimuth ⊕ observed at	o	"	"	
Water expended during the preceding 24 hours				217 gallons
Water during the preceding 24 hours				"
Water remaining on hand fit for me at Noon				2190 "
Coal consumed during the preceding 24 hours	tons	2200	lbs.	
Coal remaining on hand at Noon	90	"	2060	"

P.M.									
1	N	2	30.30	48	40	40	bc	Cir Cum	9
2	"	"	"	44	41	"	"	"	7
3	"	"	"	"	40	39	"	"	5
4	"	"	30.35	"	39	"	"	"	3
5	NNE	"	30.36	"	"	38	o	Cum Nimb	0
6	N	"	30.38	43	"	"	"	"	"
7	"	1-2	"	"	"	39	"	"	"
8	"	"	"	"	40	"	"	"	"
9	NE	3	30.43	41	"	"	om	"	"
10	"	"	"	"	37	"	"	"	"
11	"	"	"	40	"	36	"	"	"
Mid.	"	"	"	"	"	"	"	"	"

Longitude by Chronometer from Afternoon Observations \oplus	0	1	2
Longitude by Chronometer Observations]	0	1	2
Variation of the Compass by Amplitude observed at Sunset	0	1	2
Variation of the Compass by at	0	1	2

under the command of Commander W. Scott Schley
Sunday December 24th, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast, cool. Fresh breeze from N.W. Swung to flood during watch. Steam in two boilers. Average steam pressure 30 lbs. Temp of bunkers 76°. Distilling.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 A.M. Overcast. Wind moderate from N. Average steam 25 lbs. Temp of bunkers 70°. Distilling. At 7.30 Flagship made general signal 3350.

(Signed) J. T. Sullivan
Lieut.

From 8 to Merid. Overcast and cloudy. Moderate breeze from N, shifting to E. Ship swung to the flood at 11.15. Average steam 30 lbs. Temp of bunkers 70°. Distilling in operation.

(Signed) J. K. Cogswell
Lieut.

From Merid. to 4 P.M. Overcast and cold, snowy. Moderate breeze from N.N.E. Rising to flood. Average steam pressure 25 lbs. Temp of bunkers 74°. Stopped distilling at 12.30.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 P.M. Overcast and cold, with light snow-falls. Moderate breeze from N and E. Slack water at 5.15. Swung to ebb at 7. Average steam 22 lbs. Temp of bunkers 70°.

(Signed) J. K. Cogswell
Lieut.

From 8 to Midnight. Overcast, snowing. Fresh N.E. breeze. Swinging to ebb during watch. Steam in two boilers. Average steam pressure 30 lbs. Temp of bunkers 70°.

(Signed) Wainwright Kellogg
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Hampton Roads Va.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.			
A.M.														
1				NW	3		30.41	40	40	40	o	Cum Nimb	0	
2				"	4		30.42	"	38	36	"	"	"	
3				"	"		30.44	38	34	33	"	"	"	
4				"	"		30.45	"	"	"	"	"	"	
5				NNW	"		30.47	37	32	31	"	Nimb	"	
6				N	"		30.49	"	"	"	"	"	"	
7				"	"		30.51	"	33	32	"	"	"	
8				"	"		30.52	"	34	33	oc	Cum Nimb	"	
9				"	"		30.53	38	"	34	"	"	"	
10				"	"		30.55	"	"	"	"	"	"	
11				NNE	"		30.54	37	32	32	"	"	"	
Noon				N by E	"		"	36	31	31	"	"	"	

Record of the sail the vessel is under at end of watch.

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	o	"
Longitude by D. R. at Noon	o	"
Latitude by Observations at Noon ⊕	o	"
Longitude by Chronometer from Forenoon Observations ⊕	o	"
Current during the time	Knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ⊕ observed at Sunrise	o	"
Variation of the Compass by Azimuth ⊕ observed at	o	"
Water expended during the preceding 24 hours		217 gallons
Water Condensed during the preceding 24 hours		730 "
Water remaining on hand fit for me at Noon		2190 "
Coal consumed during the preceding 24 hours	2 tons	20 lbs.
Coal remaining on hand at Noon	88 "	2040 "

P.M.														
1				NNE	3-4		30.53	36	31	31	os	Cum Nimb	0	
2				"	"		30.52	"	"	"	"	Nimb	"	
3				"	4		30.51	"	"	30	oqs	"	"	
4				"	"		"	"	"	31	o	"	"	
5				"	3-4		30.50	"	"	30	os	"	"	
6				NE by N	"		30.52	"	"	"	"	"	"	
7				NNE	2-3		30.53	38	34	33	"	"	"	
8				NE by N	"		30.52	39	35	"	"	"	"	
9				"	"		30.50	"	"	"	"	"	"	
10				"	3-4		"	"	33	"	"	"	"	
11				"	"		"	"	"	"	"	"	"	
Mid.				"	"		"	"	"	"	"	"	"	

Longitude by Chronometer from Afternoon Observations ⊕	o	"	"
Longitude by Chronometer Observations]	o	"	"
Variation of the Compass by Amplitude observed at Sunset	o	"	"
Variation of the Compass by at	o	"	"

under the command of Commander W. Scott Schley
Monday December 25th, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast and snowing. Brisk wind from N and E, freshening in squalls. Average steam pressure 30 lbs. Temp of bunkers 66°. Swung to flood at 12.30.

(Signed) J. T. Sullivan
Lieut.

From 4 to 8 A.M. Weather thick, snowy first part, rain and sleet in latter part. Fresh squalls from N.E. Tide turned to ebb at 6.30. Riding between tide and wind. Steam pressure 25 lbs. Temp of bunkers 72°. Barometer falling.

(Signed) J. K. Cogswell
Lieut.

From 8 to Merid. Overcast, cold, rainy. Fresh breeze from N and E. Riding between wind and ebb tide. Slack water at 11. Average steam pressure 30 lbs. Temp of bunkers 74°

(Signed) Wainwright Kellogg
Lieut.

From Merid. to 4 P.M. Overcast cold and rainy. Fresh N.E. squalls. Tide turned to flood at 12. Riding between wind and tide. Average steam pressure 30 lbs. Temp of bunkers 76°.

(Signed) J. T. Sullivan
Lieut.

From 4 to 6 P.M. Overcast, squally and rainy. Moderate breeze from N and E, shifting to N and W. Slack water at 4.45. Ship swinging to ebb at 6.

(Signed) J. K. Cogswell
Lieut.

From 6 to 8 P.M. Overcast, cold rainy. Moderate breeze from N. and W. Riding to ebb. Average steam pressure 30 lbs. Temp of bunkers 70°. Distilling.

From 8 to Midnight. Overcast and cold. Light N.W[ester]ly breeze. Riding to the ebb. Distilling. Average steam pressure 27 lbs. Temp of bunkers 76°.

(Signed) J. T. Sullivan
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Hampton Roads Va.

Hour.	Knots.	Fathoms.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A.M.														
1			NE	5-4		30.48	38	32	32		oqs	Nimb	0	
2			"	"		30.47	37	"	"		"	"	"	
3			NE by N	4-5		30.44	36	31	31		"	"	"	
4			NNE	"		30.46	38	"	"		"	"	"	
5			"	"		30.44	38	"	"		"	"	"	
6			"	"		"	"	31	31		"	"	"	
7			NE by E	"		30.42	"	32	"		oqr	"	"	
8			NNE	"		30.41	34	33	32		"	"	"	
9			"	"		"	33	"	"		"	"	"	
10			"	"		"	39	35	34		"	"	"	
11			"	"		"	"	34	33		"	"	"	
Noon			"	"		"	"	"	34		"	"	"	

Distance run by Log since preceding Noon		knots		fathoms.
Latitude by D. R. at Noon		°	'	"
Longitude by D. R. at Noon		°	'	"
Latitude by Observations at Noon ⊕		°	'	"
Longitude by Chronometer from Forenoon Observations ⊕		°	'	"
Current during the time	knots		fms. per hour, setting to the	
Variation of the Compass by Amplitude ⊕ observed at Sunrise		°	"	"
Variation of the Compass by Azimuth ⊕ observed at		°	"	"
Water expended during the preceding 24 hours				217 gallons
Water during the preceding 24 hours				"
Water remaining on hand fit for me at Noon				2555 "
Coal consumed during the preceding 24 hours	1	tons	260	lbs.
Coal remaining on hand at Noon	87	"	1780	"

P.M.														
1			N by E	4-5		30.30	38	34	32		orq	Nimb	0	
2			"	5-6		"	37	"	34		"	"	"	
3			"	"		30.28	"	"	32		"	"	"	
4			NNE	4-5		30.27	"	"	"		"	"	"	
5			"	2-3		30.24	38	"	34		oqr	"	"	
6			N by W	3		"	"	"	"		"	"	"	
7			NW	"		30.25	"	32	"		"	"	"	
8			"	"		"	"	"	"		or	"	"	
9			"	2		"	"	34	"		o	"	"	
10			"	"		30.23	"	"	"		"	"	"	
11			"	"		"	"	"	"		"	"	"	
Mid.			"	"		30.24	"	"	"		"	"	"	

Longitude by Chronometer from Afternoon Observations ⊕		°	'	"
Longitude by Chronometer Observations]		°	'	"
Variation of the Compass by Amplitude observed at Sunset		°	'	"
Variation of the Compass by at		°	'	"

under the command of Commander W. Scott Schley
Tuesday December 26th, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather overcast and cool. Light breeze from N and E. Swung to the flood at 12.30. Steam pressure 25 lbs. Temp of bunkers 77°. Distilling.

(Signed) J. K. Cogswell
Lieut.

From 4 to 8 A.M. Overcast, cool; light airs, gradually [gradually] hauled from N.E. to N.W. At 6.30 swung to ebb. Steam in two main boilers. Average steam pressure 25 lbs. Temp of bunkers 76°. Distilling.

(Signed) Wainwright Kellogg
Lieut.

From 8 Merid to Merid 4 P.M. Overcast and cool, light airs from N.N.W. Slack water at 1.30. At 2.30 ship swung to the flood. Average steam pressure 30 lbs. Temp of bunkers 70°. Stopped distilling at 2.10.

(Signed) J. K. Cogswell
Lieut.

From 4 to 8 to Merid. Overcast and cool. Light N.W. airs. Riding to ebb. Steam in two boilers. Average steam pressure 27 lbs. Temp of bunker 68°. Distilling.

(Signed) J. T. Sullivan
Lieut.

From 4 to 6 P.M. Overcast and cool. Riding to flood. Light airs from N.N.W. Clearing off during latter part.

(Signed) Wainwright Kellogg
Lieut.

From 6 to 8 P.M. Clear and pleasant. Light N.W. airs. Slack water at 6.30. Swung to ebb at 7. Banked fires under two boilers. Average steam pressure 25 lbs. Temp of bunkers 85°.

(Signed) J. T. Sullivan
Lieut.

From 8 to Midnight. Weather cloudy and cool. Calm. Rising to the ebb. Steam pressure 27 lbs. Temp of bunkers 78°. Bright moonlight.

(Signed) J. K. Cogswell
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Hampton Roads Va.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A.M.															
1				NE	3		30.22	38	34	32	or	Cum Nimb	0		
2				"	"		"	"	"	"	"	"	"		
3				"	"		30.21	"	"	"	"	"	"		
4				"	"		"	"	"	"	"	"	"		
5				"	1		30.22	"	"	"	o	"	"		
6				N	"		"	"	"	"	"	"	"		
7				NW	"		"	"	"	"	"	"	"		
8				"	"		"	"	"	"	"	"	"		
9				WNW	2		30.24	37	36	35	"	"	"		
10				"	"		"	38	37	36	"	"	"		
11				NW	"		"	40	39	38	"	"	"		
Noon				NNW	"		"	41	35	"	"	"	"		

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon o " "

Longitude by D. R. at Noon o " "

Latitude by Observations at Noon ⊕ o " "

Longitude by Chronometer from Forenoon Observations ⊕ o " "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊕ observed at Sunrise o " "

Variation of the Compass by Azimuth ⊕ observed at

Water expended during the preceding 24 hours 217 gallons

Water condensed during the preceding 24 hours 730 "

Water remaining on hand fit for me at Noon 2555 "

Coal consumed during the preceding 24 hours 4 tons 1700 lbs.

Coal remaining on hand at Noon 87 " 47 80 "

P.M.															
1				NNW	0-1		30.20	42	37	36	oc	Cum Nimb	0		
2				"	"		30.18	41	36	35	"	"	"		
3				"	"		"	"	37	37	"	"	"		
4				"	"		"	42	38	38	"	"	"		
5				"	"		30.24	"	37	36	"	"	"		
6				"	"		30.24	"	"	"	"	"	"		
7				"	"		30.26	43	36	"	bc	Cum"	9		
8				"	"		30.22	41	35	35	"	"	6		
9				Cabin	0		30.24	44	36	34	"	"	5		
10				"	"		30.20	"	"	"	"	"	3		
11				"	"		"	"	"	"	"	"	4		
Mid.				"	"		"	"	"	"	"	"	"		
Longitude by Chronometer from Afternoon Observations ⊕												o	"	"	
Longitude by Chronometer Observations]												o	"	"	
Variation of the Compass by Amplitude observed at Sunset												o	"	"	
Variation of the Compass by at												o	"	"	

under the command of Commander W. Scott Schley
Wednesday December 27th, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast cool. Light breeze from N.E. Moon set at one. Swung to flood at 1. Steam in two boilers. Average pressure 30 lbs. Temp of bunkers 74°.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 A.M. Cloudy and cool. Light N[orther]ly airs. Slack water at 7.30. Average steam pressure 30 lbs. Temp of bunkers 70°. Commander W.S. Schley returned from leave. At 7.30 Flagship make general signal 3350.

(Signed) J. T. Sullivan
Lieut.

From 8 to Merid. Overcast and cloudy during first part; afterward clear and pleasant. Light breeze from N. Ship riding to the ebb. At 9.30 inspected crew at quarters. First and fifth section of boys received instruction in seamanship and gunnery. Average steam pressure 30 lbs. Temp of bunkers 75°.

(Signed) J. K. Cogswell
Lieut.

From Merid. to 4 P.M. Overcast. Cool. Light airs from N. Riding to ebb. Slack water at 1.15. Swung to flood at 2.30. Average steam pressure 24 lbs. Temp of bunkers 85°.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 6 P.M. Overcast and cool. Calm. Slack water at 5.20. Swung to ebb at 6. Lieut. Comdr John Schouler left the ship at 5.15 on 5 days leave of absence.

(Signed) J. T. Sullivan
Lieut.

From 6 to 8 P.M. Overcast and cloudy. Light airs from N. and E. Slack water at 7. Average steam pressure 24 lbs. Temp of bunkers 85°.

(Signed) J. K. Cogswell
Lieut.

From 8 to Midnight. Misty. Moonlight. Cool. Light airs from N. Swinging to ebb during watch. Steam on two boilers. Average steam pressure 30 lbs. Temp of bunkers 76°.

(Signed) Wainwright Kellogg
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Hampton Roads Va.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prog. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at't'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.															
1				NE	3		30.20	36	35	33		o	Cir Cum		
2				"	"		"	"	"	"		"	"		
3				"	"		"	"	"	"		"	"		
4				"	"		"	"	"	"		"	"		
5				N	2		30.22	"	36	34		bc	Cum	1	
6				"	"		"	"	"	35		"	"	"	
7				"	"		30.24	37	37	"		"	"	"	
8				"	"		30.26	"	"	36		"	"	"	
9				"	"		30.28	40	"	37		"	Cir Cum	7	
10				"	1-2		"	43	"	"		"	"	3	
11				"	"		30.30	44	"	"		"	"	5	
Noon				"	"		30.38	"	38	38		"	Cir	7	
Distance run by Log since preceding Noon															
											knots	fathoms.			
Latitude by D. R. at Noon											o	'	"	"	
Longitude by D. R. at Noon											o	'	"	"	
Latitude by Observations at Noon ⊕											o	'	"	"	
Longitude by Chronometer from Forenoon Observations ⊕											o	'	"	"	
Current during the time											knots	fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊕ observed at Sunrise											o	"	"	"	
Variation of the Compass by Azimuth ⊕ observed at											o	"	"	"	
Water expended during the preceding 24 hours											217 gallons				
Water during the preceding 24 hours											"				
Water remaining on hand fit for me at Noon											2190 "				
Coal consumed during the preceding 24 hours											tons	2100	lbs.		
Coal remaining on hand at Noon											86	"	220	"	
P.M.															
1				NNW	1-2		30.28	44	39	38		bc	Cir Cum	5	
2				N by W	"		30.27	"	"	"		"	"	3	
3				N by E	"		30.29	"	38	"		o	Cum Nimb	0	
4				Calm	0		"	"	39	"		"	"	"	
5				"	"		30.30	"	"	"		"	"	"	
6				N	"		"	"	38	"		bc	"	5	
7				NNW	0-1		30.32	45	37	37		"	"	1	
8				"	"		"	44	"	"		"	"	2	
9				"	"		"	"	"	"		bcm	"	5	
10				"	"		"	"	"	"		"	"	"	
11				"	"		"	"	"	"		"	"	"	
Mid.				"	"		"	"	"	"		"	"	"	
Longitude by Chronometer from Afternoon Observations ⊕											o	'	"	"	
Longitude by Chronometer Observations											o	'	"	"	
Variation of the Compass by Amplitude											o	'	"	"	
Variation of the Compass by											o	'	"	"	

under the command of Commander W. Scott Schley
Thursday December 28th, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast and cool. Light N.E[aster]ly airs. Swung to the flood tide at 2.30. Average steam pressure 30 lbs. Temp of bunker 76°.

(Signed) J. T. Sullivan
Lieut.

From 4 to 8 A.M. Weather overcast and misty. Light breeze from N.E. Riding to the flood. At 7.30 Flagship made general signal 3350. Steam pressure 25 lbs. Temp of bunkers 78°. Received fresh provisions for crew.

(Signed) J. K. Cogswell
Lieut.

From 8 to Merid. Overcast and cold. Light breeze from N. Slack water at 8.30. Got around to ebb at 9.30. At 9.30 mustered at quarters. Average steam pressure 30 lbs. Temps of bunkers 80°.

(Signed) Wainwright Kellogg
Lieut.

From Merid. to 4 P.M. Overcast and cloudy, with occasional light showers of snow. Light breeze from N.N.E. At 1.30 Flagship made signal 1087. Overhauled both bower chains, while leaded shackle bolts and put in wooden pine. Slack water at 3.00. Swung to the flood at 3.45. Average steam pressure during watch 25 lbs. Temp of bunkers 80°. At 3.30 "Passaic" got underway and stood in shore.

(Signed) J. T. Sullivan
Lieut.

From 4 to 6 P.M. Overcast cloudy and snowing. Light breeze from N and E. Ship riding to the flood. At 4.30 "Passaic" came to anchor.

(Signed) J. K. Cogswell
Lieut.

From 6 to 8 P.M Overcast, cold, snowing during first part. Fresh breeze N.N.E. freshening during latter part. Riding between wind and flood tide. Average steam pressure 20 lbs. Temp of bunkers 80°. Distilling.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Midnight. Overcast. Wind fresh in squalls from N.N.E. Shifting to N. Ebb tide commenced at 9 o'clock. Riding across wind and tide. Distilling. Average steam pressure 30 lbs. Temp of bunkers 80°.

(Signed) J. T. Sullivan
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Hampton Roads Va.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prog. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.															
1			Calm	0		30.32	43	37	36		o	Nimb	0		
2			NE	1		"	42	36	34		"	"	"		
3			"	2		"	41	35	"		"	"	"		
4			"	3		30.34	40	"	"		"	"	"		
5			"	"		"	38	"	32		om	"	"		
6			"	"		30.35	"	34	"		"	"	"		
7			"	"		30.36	39	"	33		"	"	"		
8			"	"		"	"	35	"		"	"	"		
9			NNE	2		30.38	40	36	30		o	"	"		
10			N by E	"		30.37	41	37	37		"	"	"		
11			N	"		30.34	42	"	"		"	"	"		
Noon			"	"		30.28	"	"	"		"	"	"		

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	o	' "
Longitude by D. R. at Noon	o	' "
Latitude by Observations at Noon ⊕	o	' "
Longitude by Chronometer from Forenoon Observations ⊕	o	' "
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊕ observed at Sunrise	o	" "
Variation of the Compass by Azimuth ⊕ observed at	o	" "
Water expended during the preceding 24 hours		217 gallons
Water during the preceding 24 hours		"
Water remaining on hand fit for me at Noon		1825 "
Coal consumed during the preceding 24 hours	1 tons	260 lbs.
Coal remaining on hand at Noon	84 "	2200 "

P.M.															
1			NNE	2		30.26	42	37	37		oc	Nimb	0		
2			"	"		30.24	"	"	"		"	"	"		
3			"	"		"	41	35	36		"	"	"		
4			"	"		"	40	37	35		ocs	"	"		
5			"	2-3		30.25	41	38	"		"	"	"		
6			"	"		30.24	42	37	36		"	"	"		
7			"	4-5		"	"	35	37		oq	"	"		
8			"	"		"	"	"	38		"	"	"		
9			"	"		30.32	"	"	34		oqd	"	"		
10			N	"		30.20	"	"	"		oq	"	"		
11			"	"		30.18	41	"	"		"	"	"		
Mid.			"	"		"	"	"	"		"	"	"		

Longitude by Chronometer from Afternoon Observations ⊕	o	' "
Longitude by Chronometer Observations]	o	' "
Variation of the Compass by Amplitude observed at Sunset	o	' "
Variation of the Compass by at	o	' "

under the command of Commander W. Scott Schley
Friday December 29th, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather rainy and squally. Moderate breeze from N. At 2.15 swung to the flood. Steam pressure 25 lbs. Temp of bunkers 66°. Barometer falling.

(Signed) J. K. Cogswell
Lieut.

From 4 to 8 A.M. Raining, with light fog. Light breeze from N.E. Swinging to flood during watch. Steam in two boilers. Average pressure 25 lbs. Temp of bunkers 70°. Distilling. At 8 hauled down guard flag. Chief Engineer P.A. Rearick returned from leave.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Merid. Overcast, foggy and rainy. Fresh S.E. breeze. Commenced to swing to ebb at 10. Riding between wind and tide. Average steam pressure 30 lbs. Temp of bunkers 76°. Steam in two boilers. Distilling. At 8.45 veered to 75 fathoms on starboard chain.

(Signed) J. T. Sullivan
Lieut.

From Merid. to 4 P.M. Overcast and cloudy, foggy during first part of watch. Fresh breeze from S, shifting to S.W. and increasing. Ship riding to the wind during latter part. Tide ebb. Average steam 30 lbs. Temp of bunkers 76°. Distilling in operation. Exercised life boat lowering apparatus.

(Signed) J. K. Cogswell
Lieut.

From 4 to 6 P.M. Overcast, cool. Fresh breeze from S.W. Ship riding to wind. Low water at 4.30. By order of Comdg Officer, Geo W. Hamm (2CR) was declared a deserter, he having been absent from the ship ten days without leave.

(Signed) Wainwright Kellogg
Lieut.

From 6 to 8 P.M Overcast and pleasant. Strong W.S.W. squalls. Riding to wind. Flood tide. Steam in two boilers. Distilling. Average steam pressure 30 lbs. Temp of bunkers 76°.

(Signed) J. T. Sullivan
Lieut.

From 8 to Midnight. Weather cloudy and cool. Blowing a gale from S. and W. Squally. At 8 let go the port anchor, veered to 30 fathoms port chain. Braced yards to the wind. Catamaran broke adrift. Steam pressure 27 lbs. Temp of bunkers 72°.

(Signed) J. K. Cogswell
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Hampton Roads Va.

Hour.	Knots.	Fathoms.	WINDS.		BAROMETER.		TEMPERATURE.		State of the Weather by symbols.	Forms of Clouds, by symbols.	Prog. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.			
A.M.													
1			N	4-5		30.15	39	36	34		oqr	Nimb	0
2			NE	"		30.12	"	"	"		"	"	"
3			"	"		30.10	"	"	"		"	"	"
4			"	"		30.08	"	"	"		"	"	"
5			NNE	3		30.06	"	"	"		or	"	"
6			"	2		30.00	"	"	36		"	"	"
7			"	"		29.90	"	"	46		"	"	"
8			"	"		29.80	"	40	"		"	"	"
9			E	2-3		29.77	44	43	43		ofr	"	"
10			SE	"		29.68	46	47	47		"	"	"
11			S	4-5		29.60	50	50	50		"	"	"
Noon			SW	3-4		29.54	52	51	52		orfq	"	"
			WSW										
Distance run by Log since preceding Noon													
										knots	fathoms.		
Latitude by D. R. at Noon										o	°	'	"
Longitude by D. R. at Noon										o	°	'	"
Latitude by Observations at Noon ⊕										o	°	'	"
Longitude by Chronometer from Forenoon Observations ⊕										o	°	'	"
Current during the time										Knots	fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊕ observed at Sunrise										o	°	'	"
Variation of the Compass by Azimuth ⊕ observed at										o	°	'	"
Water expended during the preceding 24 hours											217 gallons		
Water during the preceding 24 hours											730 "		
Water remaining on hand fit for me at Noon											2555 "		
Coal consumed during the preceding 24 hours										1	tons	560	lbs.
Coal remaining on hand at Noon										83	"	1640	"
P.M.													
1			W	2		29.50	50	43	44		oqrf	Nimb	0
2			SW	"		29.48	48	"	"		oc	Cum	"
3			"	3-4		29.46	"	"	"		"	Nimb	"
4			"	4		"	47	"	42		"	Cir	"
5			"	4-6		29.48	46	42	"		bcq	Cum	2
6			WSW	5-7		29.50	45	41	40		"	Nimb	7
7			"	"		"	44	40	"		"	"	8
8			"	"		29.52	"	"	"		oq	"	1
9			"	7		29.54	"	39	38		bcq	"	"
10			"	6-7		29.56	"	38	36		"	"	"
11			"	7		29.58	"	37	"		"	"	"
Mid.			"	"		29.61	"	"	"		"	"	"
Longitude by Chronometer from Afternoon Observations ⊕										o	°	'	"
Longitude by Chronometer Observations]										o	°	'	"
Variation of the Compass by Amplitude observed at Sunset										o	°	'	"
Variation of the Compass by at										o	°	'	"

under the command of Commander W. Scott Schley
Saturday December 30th, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Blowing a fresh gale in heavy squalls from S and W. At 1 veered to 90 fathoms on starboard chain and 85 on port. Barometer rising slowly. Steam in two boilers. Average pressure 22 lbs. Temp of bunkers 76°.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 A.M. Clear and cold. Blowing fresh gale from W.S.W. and freshening in squalls. Swung to the flood at 5.15 and road ahead our anchor. Cleared away spanker and tended ship with helm. At 7 o'clock Flagship made ~~general~~ signal 4886 to "Passaic". "Passaic" answered and made 5944. Hove in to 60 fathoms on starboard chain. Average steam pressure 30 lbs. Temp of bunkers 76°. Clear hawse.

(Signed) J. T. Sullivan
Lieut.

From 8 to Merid. Clear and cool. Blowing fresh from W. Slack water at 9.30. Swung to the ebb at 10. Immediately after, hove up port anchor. Average steam pressure 20 lbs. Temp of bunkers 70°. Ship riding to the ebb, wind decreasing. At 9.30 inspected at quarters.

(Signed) J. K. Cogswell
Lieut.

From Merid. to 4 P.M. Clear and cool with moderate breeze from W. Riding to ebb. At 2 made interrogatory signal 4381. Flagship answered 661. Exercising with gatling gun. Average steam pressure 20 lbs. Temp of bunkers 76°. James Richardson (C.C) was discharged from this ship and the naval service by order of Comdg Officer.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 6 P.M. Clear and cool. Light W[ester]ly breeze. Low water at 5.05. Swung to flood at 6. Lieut. J. T. Sullivan left the ship on a leave of absence of one week.

(Signed) J. K. Cogswell
Lieut.

From 6 to 8 P.M Clear and pleasant. Light breeze from W. Bright moonlight. Ship riding to the flood. At 8 rigged lower boom in. Average steam pressure 25 lbs. Temp of bunkers 65°.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Midnight. Clear, cool and pleasant. At 9.20 slack water. At 9.40 swung to ebb. Light breeze from W during watch. Average steam pressure 28 lbs. Temp of bunkers 79°.

(Signed) Asa Walker
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Hampton Roads Va.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prog. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A.M.															
1				WSW	7		30.62	35	35	35		bcq	Cir	9	
2				"	7-8		30.65	"	33	32		"	"	"	
3				"	"		30.70	"	32	"		"	"	"	
4				"	"		30.75	"	"	"		"	"	"	
5				"	"		30.79	"	"	"		bq	"	10	
6				"	6-7		30.84	34	"	"		"	"	"	
7				"	5-7		30.88		33			"	"	"	
8				"	"		30.92	"	34	33		"	"	"	
9				W	5-6		30.00	37	"	38		b	"	"	
10				"	"		"	39	"	"		"	"	"	
11				"	4		30.02	40	36	"		"	"	"	
Noon				"	"		30.04	41	37	36		"	"	"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	' "
Longitude by D. R. at Noon	°	' "
Latitude by Observations at Noon ⊕	°	' "
Longitude by Chronometer from Forenoon Observations ⊕	°	' "
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ⊕ observed at Sunrise	°	" "
Variation of the Compass by Azimuth ⊕ observed at	°	" "
Water expended during the preceding 24 hours		217 gallons
Water Condensed during the preceding 24 hours		730 "
Water remaining on hand fit for me at Noon		2920 "
Coal consumed during the preceding 24 hours	tons	2100 lbs.
Coal remaining on hand at Noon	82	" 1880 "

P.M.															
1				W	34		30.04	43	39	38		b		10	
2				"	"		"	44	40	39		"	"	"	
3				"	"		30.07	46	43	42		"	"	"	
4				"	"		30.08	"	40	39		"	"	"	
5				"	"		"	"	37	36		"	"	"	
6				"	"		30.11	43	"	"		"	"	"	
7				"	2-3		30.16	44	36	30		"	"	"	
8				"	"		30.20	"	35	35		"	"	"	
9				W by S	3		"	41	34	33		"	"	"	
10				W	"		"	40	"	"		"	"	"	
11				W by N	"		30.22	38	"	"		"	"	"	
Mid.				"	"		30.24	"	"	32		"	"	"	

Longitude by Chronometer from Afternoon Observations ⊕	°	' "	"
Longitude by Chronometer Observations]	°	' "	"
Variation of the Compass by Amplitude observed at Sunset	°	' "	"
Variation of the Compass by at	°	' "	"

under the command of Commander W. Scott Schley
Sunday December 31st, 1876.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear, cool. Bright moonlight. Riding to ebb during watch. Steam in two boilers. Average steam pressure 20 lbs. Temp of bunkers 58°.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 A.M. Clear and cold. Gentle breeze from N.W. At 5 swung to the flood. At 7.30 Flagship made general signal 3330. Steam pressure 20 lbs. Temp of bunkers 79°.

(Signed) J. K. Cogswell
Lieut.

From 8 to Merid. Clear and cold. Light breeze from N.W. Riding to flood. At 9.45 crew was inspected at quarters by Commanding Officer. Slack water at 10.30. Average steam pressure 15 lbs. Temp of bunkers 68°.

(Signed) Wainwright Kellogg
Lieut.

From Merid. to 4 P.M. Clear and cool: pleasant. Light breeze from N.W. Riding to ebb. Average steam pressure 28 lbs. Temp of bunkers 68°.

(Signed) J. K. Cogswell
Lieut.

From 4 to 6 P.M. Clean. Cool. Pleasant. Gentle breeze from N. Riding to ebb. Slack water at 5.30.

(Signed) Wainwright Kellogg
Lieut.

From 6 to 8 P.M. Clear and cool. Light N.W. airs. Bright moonlight. Swung to flood at 6.38. Average steam pressure 28 lbs. Temp of bunkers 72°. Distilling. Steam on two boilers.

(Signed) J. K. Cogswell
Lieut.

From 8 to Midnight. Clear. Cool. Bright moonlight. Swing to ebb at 11.15. Light airs from N and W. Steam in two boilers. Average pressure 30 lbs. Temp of bunkers 60°. Distilling.

(Signed) Wainwright Kellogg
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns,
Hampton Roads Va.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.															
1				WNW	2		30.26	33	32	32		bc	Cir	9	
2				"	"		30.28	"	31	"		"	"	"	
3				"	"		30.30	"	"	31		"	"	"	
4				"	"		"	"	"	"		"	"	"	
5				NW	"		30.34	"	28	28		b	"	10	
6				"	"		30.38	"	"	"		"	"	"	
7				"	"		30.40	"	29	"		"	"	"	
8				"	"		30.42	"	"	"		"	"	"	
9				"	"		30.46	35	30	30		"	"	"	
10				"	"		30.48	36	33	32		"	"	"	
11				"	"		30.46	38	"	"		"	"	"	
Noon				W	"		30.46	39	34	33		"	"	"	

Distance run by Log since preceding Noon	knots		fathoms.	
Latitude by D. R. at Noon	0		4	"
Longitude by D. R. at Noon	0		4	"
Latitude by Observations at Noon ⊕	0		4	"
Longitude by Chronometer from Forenoon Observations ⊕	0		4	"
Current during the time	knots	fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊕ observed at Sunrise	0		"	"
Variation of the Compass by Azimuth ⊕ observed at	0		"	"
Water expended during the preceding 24 hours				217 gallons
Water during the preceding 24 hours				"
Water remaining on hand fit for me at Noon				2190 "
Coal consumed during the preceding 24 hours	1	tons	1760	lbs.
Coal remaining on hand at Noon	81	"	120	"

P.M.									
1	W	2	30.44	39	34	33	b	Cir	10
2	"	"	"	42	36	37	"	"	"
3	WNW	"	30.42	44	42	40	"	"	"
4	NW	"	"	47	47	46	"	"	"
5	"	"	"	48	42	42	"	"	"
6	"	"	30.43	44	39	48	"	"	"
7	"	0-1	30.44	43	37	36	"	"	"
8	"	"	"	"	"	"	"	"	"
9	"	"	"	42	"	"	"	"	9
10	"	"	"	"	"	"	"	"	"
11	"	"	"	40	35	34	"	"	"
Mid.	"	"	"	"	"	"	"	"	"

Longitude by Chronometer from Afternoon Observations \oplus		0	1	11
Longitude by Chronometer Observations	]	0	1	11
Variation of the Compass by Amplitude	observed at Sunset	0	1	11
Variation of the Compass by	at	0	1	11

under the command of Commander W. Scott Schley
Monday January 1st, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear. Cool and calm. Riding to the ebb. Bright moonlight. Steam pressure 30 lbs. Temp of bunkers 70°.

(Signed) J. K. Cogswell
Lieut.

From 4 to 8 A.M. Clear and pleasant first hour of watch; overcast and cloudy during latter part. At 6 started fires in two main boilers. At 4.50 slack water. At 5.10 ship swung to flood. Distilling. Steam pressure 30 lbs. Temp of bunkers 70°.

(Signed) Asa Walker
Lieut.

From 8 to Merid. Overcast. Cool. Fresh N.E. wind. Joseph Cook rated from Lds to Cabin Cook. Lieut. R. G. Davenport returned from leave. Riding to wind. Steam in four boilers.

(Signed) J. K. Cogswell
Lieut.

From Merid. to 4 P.M. Overcast. Thick. Cloudy. Snowing. Disagreeable. Blowing moderate gale with fresh puffs from N.E. Tide turned ebb at 12.30. Master of American bark "Earnest T. Lee", came aboard for medical assistance which was rendered. Ship riding across weather ebb. At 3.30 hauled out spanker to steady her. Average steam pressure 30 lbs. Temp of bunkers 60°. Fires banked under four boilers.

(Signed) Richard G. Davenport
Lieut.

From 4 to 6 P.M. Overcast, squally. Moderate gale from N.E. Riding to wind. Raining during latter part. Took in spanker at 4.30. Barometer falling.

(Signed) Wainwright Kellogg
Lieut.

From 6 to 8 P.M. Overcast cold and hailing. Strong N.E. squalls. Riding between wind and flood tide. At 7.45 let go port anchor, veered to 22 fathoms. Veered to 15 fathoms on starboard anchor. Banked fires under four boilers. Average steam pressure 20 lbs. Temp of bunkers 62°. At 7.30 wind increased to a fresh gale. Wind hauling to W.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Midnight. Weather thick and squally. Snowy. Strong squalls from N.W. Swung to ebb at 11.30. Veered to 35 fathoms on port chain. Barometer rising. Steam on four boilers 40 lbs. Temp to bunkers 80°.

(Signed) J. K. Cogswell
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Hampton Roads Va.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prog. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A.M.															
1				Calm	0		30.44	40	36	34		b		10	
2				"	"		"	"	"	35		"		"	
3				"	"		"	"	"	"		"		"	
4				"	"		30.41	"	"	"		"		"	
5				ENE	2		30.40	38	30	34		"		"	
6				"	"		30.38	"	33	33		oc	Cum Str	"	
7				"	3		30.36	"	32	32		"	"	"	
8				"	2		30.34	"	"	"		"	"	"	
9				NE	"		30.36	35	"	"		"	Cum	"	
10				NNE	"		"	36	31	30		"	"	"	
11				NE	4-5		30.26	35	"	"		oqs	Nimb	"	
Noon				"	5-6		30.20	"	"	"		"	"	"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	' "
Longitude by D. R. at Noon	°	' "
Latitude by Observations at Noon ⊕	°	' "
Longitude by Chronometer from Forenoon Observations ⊕	°	' "
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ⊕ observed at Sunrise	°	" "
Variation of the Compass by Azimuth ⊕ observed at	°	" "
Water expended during the preceding 24 hours		217 gallons
Water during the preceding 24 hours		500 "
Water remaining on hand fit for me at Noon		2555 "
Coal consumed during the preceding 24 hours	2 tons	820 lbs.
Coal remaining on hand at Noon	78 "	1540 "

P.M.															
1				NE	7-9		30.10		31	31		osq	Nimb	0	
2				"	"		30.01	"	32	32		"	"	"	
3				"	"		29.89	"	34	34		"	"	"	
4				ENE	"		29.85		35	35		"	"	"	
5				NE by E	"		29.74	39	36	36		orq	"	"	
6				NNE	3-7		29.69	40	37	37		"	"	"	
7				N	"		29.64	41	36	36		"	"	"	
8				NNW	6-8		29.60	40	33	30		ohq	"	"	
9				NW	"		29.61	36	39	28		oqs	"	"	
10				"	6-7		29.68	34	"	"		"	"	"	
11				"	"		29.70	"	"	"		"	"	"	
Mid.				"	"		29.71	"	"	"		"	"	"	

Longitude by Chronometer from Afternoon Observations ⊕	°	' "
Longitude by Chronometer Observations]	°	' "
Variation of the Compass by Amplitude observed at Sunset	°	' "
Variation of the Compass by at	°	' "

under the command of Commander W. Scott Schley
Tuesday January 2nd, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast. Freezing. Snowing first part of watch. Strong winds from W.N.W., light fresh squalls. Nimbus clouds. Clear hawse. Obscured moonlight. Steam in four boilers. Average steam pressure 40 lbs. Temp of coat bunkers 70°.

(Signed) Richard G. Davenport
Lieut.

From 4 to 8 A.M. Clear. Cold. Blowing a fresh breeze from W.N.W. At 7 hove up port anchor. Swinging to flood tide at 7.30. Banked fires under four main boilers. Average steam pressure 35 lbs. Temp of bunkers 70°.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Merid. Clear and cold. Blowing fresh from N.N.W. Ship riding to the flood. At 9 brought stbd [starboard] chain to capstain[captain], and hove in to 45 fathoms. At 9.45 called all hands, "up anchor": got underweigh and at 10.45 came to, with stbd anchor in 10 1/4 fathoms of water: veering to 45 fathoms. Old Point Light (P.a.) N.N.E. 1/2 E. Rip Raps S.E 1/2 E. Ships head N.E. Average steam 50 lbs. Temp of bunkers 84°. Wind freshening. Slack water at 12.

(Signed) J. K. Cogswell
Lieut.

From Merid. to 4 P.M. Clear. Cold. Fresh W.N.W. breeze. Ship riding to wind until 1.30, when swung to ebb. Fires under two boilers. Average steam pressure 30 lbs. Temp of bunkers 80°. Distilling.

(Signed) Richard G. Davenport
Lieut.

From 4 to 6 P.M. Cold and clear. Fresh W.N.W. breeze. Riding to ebb. Fires under two boilers. Average steam pressure 20 lbs. Temp of bunkers 80°. Distilling.

(Signed) Wainwright Kellogg
Lieut.

From 6 to 8 P.M. Clear and cool. Fresh breeze from W.N.W. Ship riding to ebb. Slack water at 7.45. Average steam pressure 20 lbs. Temp of bunkers 76°. Distilling in operation. Fire under two boilers.

(Signed) J. C. Cogswell, Lieut.

From 8 to Midnight. Clear. Freezing. Fresh W.N.W. breeze. At 8.15 moon rose. Bright moonlight. At 9.10 swung to flood. Steam up on two boilers. Average pressure 24 lbs. Temp of bunkers 70°. Distilling.

(Signed) Richard G. Davenport

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns,
Hampton Roads Va.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. air'd.	Air Dry Bulb.	Air Wet Bulb.					Water at surface.
A.M.														
1				WNW	6-8		29.75	28	28		o.s.	Nimb	0	
2				"	"		29.80	"	"		"	"	"	
3				"	5-7		29.84	"	"		o.	"	"	
4				"	"		29.88	"	"		b.c.	"	"	
5				"	5		29.90	"	"	28	"	Cir Cum	5	
6				"	4		29.95	"	"		"	"	9	
7				"	"		30.00	"	27	27	"	"	"	
8				"	"		30.08	"	26	26	"	"	"	
9				"	3-4		30.12	30	28	27	o.	"	10	
10				"	4-5		30.13	32	"	28	"	"	"	
11				"	"		30.14	34	29		"	"	"	
Noon				"	"	"		35	32	31	b.c.	Cir	8	

Record of the sail the vessel is
under at end of watch.

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	0	1	11
Longitude by D. R. at Noon	0	1	
Latitude by Observations at Noon ⊕	0	1	11
Longitude by Chronometer from Forenoon Observations ⊕	0	1	11
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ⊕ observed at Sunrise	0	11	11
Variation of the Compass by Azimuth ⊕ observed at	0	11	11
Water expended during the preceding 24 hours			217 gallons
Water Condensed during the preceding 24 hours			300 "
Water remaining on hand fit for me at Noon			2683 "
Coal consumed during the preceding 24 hours	2	tons	1420 lbs.
Coal remaining on hand at Noon	176	"	120 "

P.M.									
1	WNW	4-5	30.16	36	31	30	b.c.	Cir Cum	7
2	"	4	"	38	33	32	"	Cum	9
3	"	"	30.18	"	34	33	"	Cir Cum	"
4	"	3-4	30.19	"	33	34	"	"	"
5	"	"	30.22	"	35	34	b.	"	10
6	NW	2	30.25	40	36	33	"	"	"
7	WNW	2-3	30.28	"	32	31	"	"	"
8	"	"	30.29	"	30	29	"	"	"
9	"	3-5	30.30	39	29	"	"	"	"
10	"	3-6	30.32	38	28	28	"	"	"
11	"	3-5	30.34	37	27	27	"	"	"
Mid.	"	"	30.36	37	"	"	"	"	"

Longitude by Chronometer from Afternoon Observations ☉	0	'	"
Longitude by Chronometer Observations]	0	'	"
Variation of the Compass by Amplitude observed at Sunset	0	'	"
Variation of the Compass by at	0	'	"

under the command of Commander W. Scott Schley
Wednesday January 3rd, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear. Cold. Fresh breeze from N. and W. Swung to ebb tide at 1.15. Steam on one boiler. Average steam pressure 28 lbs. Temp of bunkers 82°. Distilling.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 A.M. Clear and cold. Moderate breeze from N. and W. Low water at 7.30. Flagship made general signal 3350. At 7 commenced getting up steam under four boilers. Steam pressure 20 lbs. Temp of bunkers 80°. Distilling. Made preparations for sweeping for lost anchor. Barometer rising.

(Signed) J. K. Cogswell
Lieut.

From 8 to Merid. Clear. Freezing. Moderate breeze from W.N.W. shifting to S during watch. Swung to flood at 8.30. Average steam 30 lbs. Temp of bunkers 64°. Distilling. Fires under four boilers.

(Signed) Richard G. Davenport
Lieut.

From Merid. to 4 P.M. Overcast and cold. N.W[ester]ly breeze. At 1.30 slack water. Swung to ebb at 1.45. At 1.30 "Montauk" got underway [underway] and came too at 2.00. Fires under four boilers. Average pressure 30 lbs. Temp of bunkers 68°.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 6 P.M. Clear and cool. Fresh breeze from W.S.W. At 5.00 Flagship made signal 1087. Ship swung to the ebb. Fires banked under two boilers and spread under two. Distiller in operation.

(Signed) J. C. Cogswell
Lieut.

From 6 to 8 P.M. Overcast. Freezing. Moderate breeze from N. Riding to ebb. Slack water at 7.15. Steam on two boilers. Average steam pressure 30 lbs. Temp of bunkers 50°. Stopped distilling at 7.15. Banked fires under two boilers.

(Signed) Richard G. Davenport
Lieut.

From 8 to Midnight. Clear. Freezing. Moderate breeze from N. Swung to flood at 8.30. Steam in four boilers. Banked under two of the them. Average steam pressure 18 lbs. Temp of bunkers 79°.

(Signed) Wainwright Kellogg
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Hampton Roads Va.

Hour.	Knots.	Fathoms.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.		Height in inches.	Ther. at't'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.															
1			WNW	3-5		30.25	20	27	27		b.c.	Cir Cum	9		
2			"	"		"	"	"	"		"	"	"		
3			"	"		30.38	"	25	25		"	"	"		
4			"	"		30.40	"	"	"		"	"	"		
5			"	4		30.42	29	"	23		"	Cum Str	"		
6			"	"		30.44	28	23	20		"	"	"		
7			"	"		30.48	"	17	"		"	"	"		
8			"	"		30.49	"	"	"		"	"	"		
9			"	3		30.50	38	"	24		b.	None	10		
10			W by N	"		30.49	31	13	25		b.c.	Cum	9		
11			W	"		30.46	33	16	28		"	Cir Cum	"		
Noon			WSW	"		"	34	18	30		"	"	8		
.															
Distance run by Log since preceding Noon										knots		fathoms.			
Latitude by D. R. at Noon										o		'		"	
Longitude by D. R. at Noon										o		'		"	
Latitude by Observations at Noon ⊕										o		'		"	
Longitude by Chronometer from Forenoon Observations ⊕										o		'		"	
Current during the time										knots		fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊕ observed at Sunrise										o		"		"	
Variation of the Compass by Azimuth ⊕ observed at										o		"		"	
Water expended during the preceding 24 hours										220 gallons					
Water during the preceding 24 hours										"					
Water remaining on hand fit for me at Noon										2457 "					
Coal consumed during the preceding 24 hours										3	tons	80	lbs.		
Coal remaining on hand at Noon										73	"	40	"		
P.M.															
1			WNW	3		30.40	36	30	29		bc	Cum	9		
2			W	2-3		30.36	37	32	30		"	"	"		
3			"	2		30.35	39	35	31		"	"	5		
4			SW	3		30.34	"	32	30		"	0	0		
5			WSW	2-3		"	38	31	30		"	Cir Cum	4		
6			W	"		"	37	"	"		"	"	5		
7			"	3		30.35	36	30	29		o	"	0		
8			"	"		"	"	"	"		b.c.	Cum	2		
9			"	4		30.37	"	28	"		"	Cir Cum	5		
10			"	"		30.38	35	"	28		"	"	5		
11			"	"		"	32	27	27		"	"	9		
Mid.			"	"		"	"	"	"		"	"	"		
Longitude by Chronometer from Afternoon Observations ⊕										o		'		"	
Longitude by Chronometer Observations]										o		'		"	
Variation of the Compass by Amplitude observed at Sunset										o		'		"	
Variation of the Compass by at										o		'		"	

under the command of Commander W. Scott Schley
Thursday January 4th, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Midnight until 4 A.M. Clear and cold. Moderate breeze from N and W. Swung to ebb at 2. Steam pressure 20 lbs. Temp of bunkers 66°.

(Signed) J. K. Cogswell
Lieut.

From 4 to 8 A.M. Clear. Freezing. Light N.W. breeze. Riding to ebb. Thermometer showed 8° on poop. Banked fires under four boilers. Average steam pressure 20 lbs. Temp of bunkers 66°. Received fresh provisions in Paymaster Department.

(Signed) Richard G. Davenport
Lieut.

From 8 to Merid. Clear. Freezing. Light N.N.W. breeze. Slack water at 8.30. Swung to flood at 9. Banked fires under four boilers. Average steam pressure 40 lbs. Temp of bunkers 76°.

(Signed) Wainwright Kellogg
Lieut.

From Merid. to 4 P.M. Clear and pleasant. Light air from N.W. during first part, afterwards changing to E.S.E. and N.N.E. Slack water at 2.15. Swung to ebb at 3. Steam pressure during watch, 25 lbs. Temp of bunkers 73°. Fire banked under four boilers.

(Signed) J. K. Cogswell
Lieut.

From 4 to 6 P.M. Clear. Freezing. Light airs from N. Riding to ebb. Banked fires under four boilers. Anchorage pressure 20 lbs. Temp of bunkers 73°. Much ice floating with tide.

(Signed) Richard G. Davenport
Lieut.

From 6 to 8 P.M. Clear. Freezing. Light N[ortherly]ly airs. Riding to ebb. Banked fires under four boilers. Average pressure 25 lbs. Temp of bunkers 78°.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Midnight. Clear, cold and calm. Swung to flood at 9. Moon rose at 11. Steam pressure 20 lbs. Temp of bunkers 70°.

(Signed) J. K. Cogswell
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Hampton Roads Va.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.			TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prog. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1				WNW	4		30.43	28	28	22		bc	Cir	9		
2				NW	"		"	"	"	"		b	"	"		
3				"	"		"	"	"	"		"	None	10		
4				"	3		"	"	"	"		"	"	"		
5				NNE	"		30.44	27	23	"		"	"	"		
6				"	"		30.46	26	"	"		"	"	"		
7				"	"		30.48	"	"	"		"	"	"		
8				"	"		30.51	"	"	23		"	"	"		
9				E	"		30.52	"	"	"		"	"	"		
10				SE	"		"	29	27	26		"	"	"		
11				S	2		"	31	28	27		"	"	"		
Noon					3		30.49	34	29	28		"	"	"		

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	' "
Longitude by D. R. at Noon	°	' "
Latitude by Observations at Noon ⊕	°	' "
Longitude by Chronometer from Forenoon Observations ⊕	°	' "
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ⊕ observed at Sunrise	°	" "
Variation of the Compass by Azimuth ⊕ observed at	°	" "
Water expended during the preceding 24 hours		217 gallons
Water during the preceding 24 hours		"
Water remaining on hand fit for me at Noon		2190 "
Coal consumed during the preceding 24 hours	1 tons	1660 lbs.
Coal remaining on hand at Noon	71 "	620 "

P.M.																
1				NW	0-1		30.46	35	31	30		b	None	10		
2				"	"		30.44	36	"	39		"	"	"		
3				ESE	"		"	39	36	34		"	"	"		
4				NNE	"		"	42	37	36		"	"	"		
5				N	"		30.45	39	33	32		bc	Str	9		
6				"	"		"	37	"	30		b	None	10		
7				"	"		"	"	"	"		"	"	"		
8				"	"		"	"	"	"		bc	Str	9		
9				Calm	0		30.46	"	30	"		b	None	10		
10				"	"		30.47	36	"	"		"	"	"		
11				"	"		30.48	"	"	"		"	"	"		
Mid.				"	"		"	"	"	"		"	"	"		

Longitude by Chronometer from Afternoon Observations ⊕	°	' "	
Longitude by Chronometer Observations	°	' "	
Variation of the Compass by Amplitude	°	' "	observed at Sunset
Variation of the Compass by	°	' "	at

under the command of Commander W. Scott Schley
Friday January 5th, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear. Freezing. Bright moonlight. Light S[outher]ly airs. Slack water at 2.30. Swung to ebb at 3.45 Much ice floating with tide. Banked fires under four boilers. Temp of bunkers 80°. Average pressure 30 lbs.

(Signed) Richard G. Davenport
Lieut.

From 4 to 8 A.M. Clear. Freezing. Light breeze from S. and W. Riding to ebb during watch. Large quantity of ice floating down with tide. At 6.15 the "Passaic" dragged with the ice. At 6.30 the "Montauk" dragged with the ice. Collided with the "Passaic" and both vessels dragged until they were East of Light House, distant about four cables length, when they brought up. At 6.45 Flagship made general signal 4886. At 7.30 spread fires in four, and started in two main boilers. Steam pressure 24 lbs. Temp of bunkers 75°.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Merid. Clear and pleasant. Light airs from S.W. Slack water at 9.15. At 9.30 exercised at general quarters. Time casting loose. 1st Div 5 m[inutes] – 30 s[econds]. 2nd Div 4 m – 00 s. Powder Div 3 m – 50 s. Engineer Div 30 s. Marine 1 m – 30 s. Master Div 1 m – 30 s. Surgeons Div 2 m – 15 s. Time Securing. 1st Div 7 m. 2nd Div 3 m – 30 s. Powder Div 8 m. Engineer Div 30 s. Master Div 3 s. At 9.30, U.S.S. "Passaic" got underway and steamed up to her old anchorage. At 10, U.S.S. "Montauk" did the same. Ship swung to the flood at 10. At 10.40 Flagship made signal 2121. And at 11.15 the following telegraphic signals. 9279. 154. 0935. 4578. 7409. 7694. 345. Lieut. Comdr John Schouler and P.A. Paymaster S.D. Hurlburt reported their return from leave. Average steam pressure 25 lbs. Temp of bunkers 60°. Fires banked under six boilers.

(Signed) J. K. Cogswell
Lieut.

From Merid. to 4 P.M. Clear. Cold. Pleasant. Light airs from N and E. Riding to flood. At 1.45 Flagship made general signal 5455. Loosed sail today. Slack water at 3. At 3.50 Flagship made general signal 4826. Furled sail. Will Anderson (C.F.C.) Geo W. Cass (W.R. Cook) and Cary Braxton (Lds) were sent to the Hospital at Norfolk. Banked fires under six boilers. Average steam pressure 38 lbs. Temp of bunkers 62°. Much ice drifting with tide.

(Signed) Richard G. Davenport
Lieut.

From 4 to 6 P.M. Clear and cold. Light airs from S and E. Swung to ebb at 4.10. Banked fires under six boilers. Distilling.

(Signed) Wainwright Kellogg
Lieut.

From 6 to 8 P.M. Clear and pleasant. Light airs from S and E. Ship riding to the ebb. Average steam pressure 35 lbs. Temp of bunkers 84°. Distiller in operation. Fires banked under six boilers.

(Signed) J. K. Cogswell
Lieut.

From 8 to Midnight. Clear. Cold. Damp. Light S.S.E. breeze. Cum str clouds. Banked fires under six boilers. Average steam pressure 33 lbs of bunkers 80°. Slack water at 9.45. Swung to flood at 10.30. Moon rose at 11.53

(Signed) Richard G. Davenport
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Hampton Roads Va.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prog. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A.M.															
1				Calm	0-5		30.48	30	29	29		b	None	10	
2				S	1		"	"	28	28		"	"	"	
3				"	2		"	"	"	"		"	"	"	
4				"	3		"	"	"	"		"	"	"	
5				"	2		30.32	"	"	"		"	"	"	
6				"	3		"	"	27	27		bc	Cir	4	
7				"	2		"	"	"	"		"	"	0	
8				"	"		"	"	"	"		"	"	9	
9				SW	"		30.52	36	23	31		b	None	10	
10				"	"		"	"	35	33		"	"	"	
11				"	0-4		30.58	38	38	34		"	"	"	
Noon				"	0-1		30.48	42	40	36		"	"	"	

Distance run by Log since preceding Noon		knots		fathoms.
Latitude by D. R. at Noon		°	'	"
Longitude by D. R. at Noon		°	'	"
Latitude by Observations at Noon ⊕		°	'	"
Longitude by Chronometer from Forenoon Observations ⊕		°	'	"
Current during the time	knots		fms. per hour, setting to the	
Variation of the Compass by Amplitude ⊕ observed at Sunrise		°	"	"
Variation of the Compass by Azimuth ⊕ observed at		°	"	"
Water expended during the preceding 24 hours				217 gallons
Water during the preceding 24 hours				"
Water remaining on hand fit for me at Noon				2190 "
Coal consumed during the preceding 24 hours	3	tons	1080	lbs.
Coal remaining on hand at Noon	67	"	1780	"

P.M.															
1			N	0-1		30.41	45	40	37		b	None	10		
2			ENE	"		30.42	46	"	"		"	"	"		
3			"	"		30.45	"	39	36		"	"	"		
4			E	"		30.48	44	40	38		bc	Cir Str	"		
5			"	"		30.46	"	37	36		"	"	"		
6			ESE	1-2		30.47	"	"	"		"	"	8		
7			E	1		30.48	43	36	35		"	"	5		
8			SE	"		"	"	"	34		"	"	7		
9			SSE	0-1		"	42	35	"		"	"	8		
10			"	1		"	41	"	"		"	"	6		
11			"	2		"	"	34	"		"	"	"		
Mid.			S by E	3		"	"	"	"		"	"	"		

Longitude by Chronometer from Afternoon Observations ⊕		°	'	"
Longitude by Chronometer Observations]		°	'	"
Variation of the Compass by Amplitude observed at Sunset		°	'	"
Variation of the Compass by at		°	'	"

under the command of Commander W. Scott Schley
Saturday January 6th, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear, cool, with light airs from S. Riding to flood during watch. Banked fires under six main boilers. Average steam pressure 30 lbs. Temp of bunkers 76°. Distilling.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 A.M. Weather overcast. Light E[aster]ly breeze. Swung to the ebb at 5. At 7.30 Flagship made signal 3350. Lieut. Asa Walker left the ship on a weeks leave. Received fresh provisions for crew. Steam pressure 25 lbs. Temp of bunkers 86°.

(Signed) J. K. Cogswell
Lieut.

From 8 to Merid. Overcast. Cool. Disagreeable. Damp. Light airs from E. Slack water at 9.30. Swung to flood at 10.15. At 10.30 started fires in boiler Nos [numbers] 1 and 3. Raining during latter part. Fires under eight boilers. Average steam pressure 30 lbs. Temp of bunkers 80°. Stopped distilling at 10.30.

(Signed) Richard G. Davenport
Lieut.

From Merid. to 4 P.M. Overcast, cool, foggy and rainy. Light S.E. wind. Riding to flood. James Brown (Sea) rated to Capt of Forecastle from the rate inclusive, by order of Comdg Officer. Banked fires under eight boilers. Average pressure 50 lbs. Temp of bunkers 80°.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 6 P.M. Overcast, foggy and rainy. Light wind from S. and E., shifting to N. and E. Slack water at 4.45. Ship swung to the ebb at 5.40. Fires banked under four boilers.

(Signed) J. K. Cogswell
Lieut.

From 6 to 8 P.M Overcast. Foggy. Rainy. Light airs from S.E. Riding to ebb. Banked fires under four boilers. Average steam pressure 25 lbs. Temp of bunkers 80°. Barometer falling.

(Signed) Richard G. Davenport
Lieut.

From 8 to Midnight. Overcast. And foggy first two hours, accompanied with rain last two. Swung to flood at 11.30. banked fires under four boilers. Average steam pressure 27 lbs. Temp of bunkers 68°. Barometer falling rapidly

(Signed) Wainwright Kellogg
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Hampton Roads Va.

Hour.	Knots.	Fathoms.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.		State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Direction.	Force.		Height in inches.	Ther. at't'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.															
1			S	1		30.48	38	35	35	bc	Cir Cum	3			
2			"	"		"	"	"	"	"	"	5			
3			"	"		"	"	"	"	"	"	3			
4			"	"		"	"	"	"	"	"	"			
5			ESE	2		"	38	"	34	om	Cum Nimb	0			
6			"	3		30.48	40	"	"	"	"	"			
7			"	"		30.46	"	37	36	"	"	"			
8			"	"		30.42	"	"	"	"	"	"			
9			E	1		30.40	42	"	"	o	"	"			
10			"	"		30.40	43	40	39	"	"	"			
11			"	"		30.38	"	38	38	or	Nimb	"			
Noon			"	1-2		30.34	42	"	"	"	"	"			
Distance run by Log since preceding Noon															
										knots	fathoms.				
Latitude by D. R. at Noon										o	i	"			
Longitude by D. R. at Noon										o	i	"			
Latitude by Observations at Noon ⊕										o	i	"			
Longitude by Chronometer from Forenoon Observations ⊕										o	i	"			
Current during the time										knots	fms. per hour, setting to the				
Variation of the Compass by Amplitude ⊕ observed at Sunrise										o	"	"			
Variation of the Compass by Azimuth ⊕ observed at										o	"	"			
Water expended during the preceding 24 hours										218 gallons					
Water Condensed during the preceding 24 hours										730 "					
Water remaining on hand fit for me at Noon										2190 "					
Coal consumed during the preceding 24 hours										2 tons	1120 lbs.				
Coal remaining on hand at Noon										65 "	660 "				
P.M.															
1			E	2		30.20	43	39	40	or	Nimb	0			
2			"	"		30.18	44	40	41	"	"	"			
3			SE	3		30.14	45	41	42	orf	"	"			
4			ESE	"		30.10	46	"	"	"	"	"			
5			E by S	1		30.04	"	40	40	"	"	"			
6			NE	1-2		30.00	48	44	44	"	"	"			
7			E	2		29.98	"	"	"	of	"	"			
8			ENE	"		29.92	"	"	"	orf	"	"			
9			E	"		29.90	"	45	46	of	"	"			
10			SE	4-6		29.82	"	46	46	orf	"	"			
11			"	3		29.75	"	"	"	"	"	"			
Mid.			"	"		29.69	"	"	"	"	"	"			
Longitude by Chronometer from Afternoon Observations ⊕										o	i	"			
Longitude by Chronometer Observations										o	i	"			
Variation of the Compass by Amplitude										o	i	"			
Variation of the Compass by										o	i	"			

under the command of Commander W. Scott Schley
Sunday January 7th, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Thick fog and rainy first part of watch. Squally. Fog cleared at 1.45. Wind hauled from S. to N. and W. Blowing fresh at end of watch. Steam pressure 23 lbs. Temp of bunkers 73°. Barometer rising.

(Signed) J. K. Cogswell
Lieut.

From 4 to 8 A.M. Overcast. Cold. Disagreeable. Fresh S.W. breeze. Cum Nimb clouds. Riding to ebb. Banked fires under four boilers. Average steam pressure 30 lbs. Temp of bunkers 76°. At 7.30 Flagship made general signal 3350.

(Signed) Richard G. Davenport
Lieut.

From 8 to Merid. Clear and pleasant. Fresh S.W. breeze. Slack water at 11.30. At 9.45 Comdg Officer inspected at quarters, immediately afterwards had general muster at which articles for the better government of the Navy were read. Comdg Officer held divine services. Also read proceedings, findings and sentence of Court Martial in case of William Valler (Sea) commenced Dec. 20th 1876. Banked fires under four boilers. Average pressure 25 lbs. Temp of bunkers 70°.

(Signed) Wainwright Kellogg
Lieut.

From Merid. to 4 P.M. Clear and pleasant. Light breeze from W. Slack water at 1. Swung to the flood at 2. Average pressure 25 lbs. Temp of bunkers 68°. Fires banked under four boilers.

(Signed) J. K. Cogswell
Lieut.

From 4 to 6 P.M. Clear. Cold. Pleasant. Light breeze from S.W. Riding to flood. At 4.30 made interrogatory signal 4050. Flagship answered 904. At sunset mustered at quarters and served out clean hammocks. Slack water at 5.30. Swung to ebb at 6. Banked fires under four boilers. Steam pressure 25 lbs. Temp of bunkers 65°.

(Signed) Richard G. Davenport
Lieut.

From 6 to 8 P.M. Clear. Cool. Pleasant. Light S.W. airs. Rising to ebb. Banked fires under four boilers. Average pressure 25 lbs. Temp of bunkers 70°.

(Signed) Wainwright Kellogg, Lieut.

From 8 to Midnight. Clear and pleasant. Light S.W. breeze. Swung to flood at 11.30. Temp of bunkers 79°. Average steam pressure 28 lbs. Distilling.

(Signed) J. K. Cogswell, Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Hampton Roads Va.

Hour.	Knots.	Fathoms.	WINDS.		BAROMETER.		TEMPERATURE.		State of the Weather by symbols.	Forms of Clouds, by symbols.	Prog. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.			
A.M.													
1			SE	3		29.62	52	45	45	ofrq	Nimb	0	
2			NW	3-4		"	"	44	44	frq	"	2	
3			"	4-6		29.66	48	42	42	bc	Str	6	
4			"	6		29.68	"	40	40	"	"	7	
5			"	5-6		29.69	"	"	"	oq	Cum Nimb	10	
6			"	"		29.72	47	"	"	"	"	"	
7			"	"		29.74	45	"	"	"	"	"	
8			"	"		29.76	43	"	"	"	"	"	
9			"	"		29.80	44	"	"	Bcq	"	5	
10			"	"		29.82	45	42	42	"	"	8	
11			WSW	"		29.85	"	43	43	"	"	9	
Noon			S by W	3-4		29.86	47	46	45	b	"	"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	' "
Longitude by D. R. at Noon	°	' "
Latitude by Observations at Noon ⊕	°	' "
Longitude by Chronometer from Forenoon Observations ⊕	°	' "
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ⊕ observed at Sunrise	°	" "
Variation of the Compass by Azimuth ⊕ observed at	°	" "
Water expended during the preceding 24 hours		220 gallons
Water during the preceding 24 hours		"
Water remaining on hand fit for me at Noon		1970 "
Coal consumed during the preceding 24 hours	2 tons	20 lbs.
Coal remaining on hand at Noon	63 "	640 "

P.M.													
1			W	2		29.86	49	48	48	b		10	
2			"	"		29.88	50	46	45	"	"		
3			"	"		29.90	52	50	48	"	"		
4			"	"		29.92	53	49	"	"	"		
5			SW	"		29.92	52	47	46	"	"		
6			"	"		30.02	"	44	44	"	"		
7			"	"		30.04	49	43	42	"	"		
8			"	"		30.05	48	44	43	"	"		
9			"	"		30.08	46	41	40	"	"		
10			"	"		30.10	"	40	39	"	"		
11			"	"		"	45	"	"	"	"		
Mid.			"	"		"	"	"	"	"	"		

Longitude by Chronometer from Afternoon Observations ⊕	°	' "
Longitude by Chronometer Observations]	°	' "
Variation of the Compass by Amplitude observed at Sunset	°	' "
Variation of the Compass by at	°	' "

under the command of Commander W. Scott Schley
Monday January 8th, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear. Cold. Damp. Light S.E[aster]ly breeze. Cum clouds. Riding to flood. Moon rose at 2. Banked fires under four boilers. Average steam pressure 30 lbs. Temp of bunkers 80°. Distilling.

(Signed) Richard G. Davenport, Lieut.

From 4 to 8 A.M. Clear and pleasant. Light breeze from S. Swung to ebb at 6. Banked fires under four main boilers. Average steam pressure 28 lbs. Temp of bunkers 74°. Distilling.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Merid. Partially overcast and cloudy. Wind blowing fresh from S and E, shifting to S and W. At 8.30 Flagship made preparatory 5456. Loosed sail to a bowline at 9. At 9.30 Flagship made signal 3247. General Court Martial convened at 10.05. Engaged in breaking out fore hold. At 10.30 sent Launch and 1st cutter, in charge of Boatswain, to sweep for lost anchor. At 11.15 Flagship made signal 5955 and at 11.30 furled sail. Ship riding to ebb. Flagship dragged from berth and when brought up bore N.N.W. Fires banked under four boilers. Average steam pressure 25 lbs. Temp of bunkers 68°. Distilling in operation.

(Signed) J. K. Cogswell
Lieut.

From Merid. to 4 P.M. Clear. Cool. Pleasant. Fresh S.W. breeze. Cir cum clouds. Riding to ebb. At 2.30 Flagship shifted her berth. At 3.45 made interrogatory 3918 to Flagship, answered 904. Banked fires under four boilers. Average steam pressure 25 lbs. Temp of bunkers 76°. Stopped distilling at 3 P.M. Lieut. J. T. Sullivan returned from leave.

(Signed) Richard G. Davenport, Lieut.

From 4 to 6 P.M. Clear. Cool. Pleasant. Light S.W. wind. Slack water at 4.05. Riding to wind. Banked fire under four boilers. At 5 turned in clean hammocks at quarters.

(Signed) Wainwright Kellogg, Lieut.

From 6 to 8 P.M. Overcast and cloudy. Light breeze from S and W, shifting to N and W. Ship riding to ebb. Average steam pressure 25 lbs. Temp of bunkers 72°. Fires banked under four boilers.

(Signed) Wainwright Kellogg Lieut.

From 8 to Midnight. Overcast with rain and sleet. At 11 wind shifted to N. And blew in strong squalls. Let go port anchor and veered to 60 fathoms at waters edge on starboard chain and 22 fathoms on port chain. Steam pressure 25 lbs. Temp of bunkers 68°. Barometer rising.

(Signed) J. K. Cogswell, Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns,
Hampton Roads Va.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A.M.															
1				S	2		30.10	45	41	41		bc	Cum	9	
2				"	3		"	49	40	40		"	"	"	
3				"	4		"	45	39	39		"	"	"	
4				"	"		"	42	"	"		"	"	"	
5				"	3		30.09	"	38	38		"	Cir Cum	"	
6				"	"		"	"	"	"		"	"	5	
7				"	"		"	"	"	"		"	"	"	
8				"	"		"	"	"	"		"	"	"	
9				S by E	"		"	44	40	40		"	"	3	
10				"	"		30.07	"	42	42		"	"	2	
11				S by W	"		30.02	46	45	45		"	"	3	
Noon				"	4-5		29.91	47	47	47		"	"	"	

Record of the sail the vessel is
under at end of watch.

Distance run by Log since preceding Noon	knots		fathoms.	
Latitude by D. R. at Noon	0		"	
Longitude by D. R. at Noon	0		"	
Latitude by Observations at Noon ⊕	0		"	
Longitude by Chronometer from Forenoon Observations ⊕	0		"	
Current during the time	knots	fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊕ observed at Sunrise	0		"	"
Variation of the Compass by Azimuth ⊕ observed at	0		"	"
Water expended during the preceding 24 hours				217 gallons
Water		during the preceding 24 hours		730 "
Water remaining on hand fit for me at Noon				2190 "
Coal consumed during the preceding 24 hours	2	tons	720	lbs.
Coal remaining on hand at Noon	60	"	1380	"

P.M.										
1	SW by W	4	29.95	48	45	45	bc	Cir Cum	4	
2	WSW	"	29.96	49	47	47	"	"	6	
3	SW by W	5	29.97	50	"	40	"	"	5	
4	SW	4	"	"	"	47	"	"	6	
5	SW by S	3	29.92	"	45	44	"	"	9	
6	SW	2	29.94	49	44	"	o	"	0	
7	SW by W	1	29.96	48			Bc	"	"	
8	SW	1-2	29.99	"	45	45	oc	"	"	
9	WNW	1	30.01	"	44	43	"	Nimb	"	
10	"	1	30.10	"	43	42	os	"	"	
11	N	4-6	30.16	"	35	33	orq	"	"	
Mid.	NNW	5-7	30.18	"	33	31	osq	"	"	

Longitude by Chronometer from Afternoon Observations \oplus		0	1	"
Longitude by Chronometer Observations	]	0	1	"
Variation of the Compass by Amplitude	observed at Sunset	0	1	"
Variation of the Compass by	at	0	1	"

under the command of Commander W. Scott Schley
Tuesday January 9th, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast. Freezing. Snowing. Fresh breeze with occasional heave [heavy] squalls N.N.E. Nimb clouds. Riding to flood. Clear hawse. Banked fires under four boilers. Average steam pressure 25 lbs. Temp of bunkers 70°.

(Signed) Richard G. Davenport
Lieut.

From 4 to 8 A.M. Overcast. Freezing. Fresh breeze with occasional moderate squalls from N. Tide turned ebb at 6. Ship swung to wind during watch. Clear hawse. Banked fires under four main boilers. Average steam pressure 25 lbs. Temp of bunkers 69°.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Merid. Cloudy. Cold. Fresh breeze from N. Riding to ebb. At 8.45 brought to on port chain. Hove up port anchor. At 9.30 Flagship made general signal 8247. Comdg Officer left the ship to attend Court Martial on Flagship. Banked fires under four boilers. Average steam pressure. 25 lbs. Temp of bunkers 68°.

(Signed) J. T. Sullivan
Lieut.

From Merid. to 4 P.M. Cloudy, cold. Fresh N.E. breeze. Slack water at 1.30. Swung to flood at 2. Banked fires under four boilers. Average pressure 25 lbs. Temp of bunkers 68°.

(Signed) J. K. Cogswell.
Lieut.

From 4 to 8 P.M. Clear. Freezing. Light breeze from N. Riding to flood. Slack water at 7. Banked fires under four boilers. Average steam pressure 25 lbs. Temp of bunkers 74°. Commenced distilling at 6.10.

(Signed) Richard G. Davenport
Lieut.

From 8 to Midnight. Partly cloudy, and cold. Light breeze from N.N.E. Riding to ebb tide. Banked fires under four boilers. Distilling water. Average steam pressure 28 lbs. Temp of bunkers 80°.

(Signed) J. T. Sullivan.
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Hampton Roads Va.

			WINDS.			BAROMETER.			TEMPERATURE.														
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at't'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.							
A.M.																							
1				NNE	48		30.14	35	32	32		os	Nimb	0									
2				"	"		30.18	"	"	"		"	"	"									
3				"	5-7		30.22	34	31	31		"	"	"									
4				"	"		30.26	"	"	"		"	"	"									
5				N	"		30.30	32	"	"		o	"	"									
6				N by W	"		30.30	"	28	28		bc	Cir Cum	2									
7				"	"		30.40	"	24	24		"	"	"									
8				"	"		30.45	"	"	"		"	"	"									
9				N	4-5		30.48	30	29	29		"	"	4									
10				N by W	"		30.50	32	30	30		"	"	6									
11				N by E	"		"	34	32	32		"	"	5									
Noon				N	"		"	36	33	"		"	"	"									
Distance run by Log since preceding Noon												knots		fathoms.									
Latitude by D. R. at Noon												o		'		"							
Longitude by D. R. at Noon												o		'		"							
Latitude by Observations at Noon ⊕												o		'		"							
Longitude by Chronometer from Forenoon Observations ⊕												o		'		"							
Current during the time				knots			fms. per hour, setting to the																
Variation of the Compass by Amplitude ⊕ observed at Sunrise												o		"		"							
Variation of the Compass by Azimuth ⊕ observed at												o		"		"							
Water expended during the preceding 24 hours														217 gallons									
Water during the preceding 24 hours														"									
Water remaining on hand fit for me at Noon														2190 "									
Coal consumed during the preceding 24 hours												2		tons		520		lbs.					
Coal remaining on hand at Noon												58		"		860		"					
P.M.																							
1				NE by E	4		30.48	37	34	33		bc	Cir Cum	5									
2				"	3		"	"	30	30		"	"	3									
3				NNE	"		"	"	29	29		"	"	1									
4				NE	"		"	"	31	31		"	"	1									
5				N	1		"	38	30	"		"	"	5									
6				"	1		"	37	"	"		"	"	7									
7				"	1		30.52	38	31	"		"	Str	9									
8				NNE	"		"	"	30	29		"	"	"									
9				"	"		"	37	"	"		"	Cum	5									
10				"	"		"	"	"	"		"	"	2									
11				"	"		"	36	"	"		"	"	3									
Mid.				"	"		"	"	"	"		"	"	"									
Longitude by Chronometer from Afternoon Observations ⊕												o		'		"							
Longitude by Chronometer Observations]												o		'		"							
Variation of the Compass by Amplitude												observed at Sunset											
Variation of the Compass by												o		'		"							

under the command of Commander W. Scott Schley
Wednesday January 10th, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy and cold. Moderate breeze from N and W. Swung to flood at 8.30. Average steam pressure 30 lbs. Temp of bunkers 74°. Distilling.

(Signed) J. K. Cogswell
Lieut.

From 4 to 8 A.M. Overcast. Freezing. Misty. Disagreeable. Moderate N.W. by N. breeze. Cum nimb clouds. Riding to flood. Slack water at 7.15. Banked fire under four boilers. Average steam pressure 25 lbs. Temp of bunkers 74°. Distilling. At 7.30 Flagship made signal 3350.

(Signed) Richard G. Davenport
Lieut.

From 8 to Merid. Overcast and cold. Light N.W. breeze. Swung to ebb at 9. At 9.30 mustered to quarters. At 9.35 Flagship made signal 8240. Answered. Banked fires under four boilers. Average steam pressure 28 lbs. Temp of bunkers 80°. Distilling.

(Signed) J. T. Sullivan.
Lieut.

From Merid. to 4 P.M. Overcast and cloudy. Light breeze from N.W. At 1.15 sent Boatswain in charge of Launch and 1st cutter to sweep for port anchor. Slack water at 3.15. Average steam pressure 28 lbs. Temp of bunkers 80°. Distiller in operation. Fires banked under four boilers.

(Signed) J.K. Cogswell.
Lieut.

From 4 to 6 P.M. Overcast. Cold. Snowing during first part, afterwards partially clear and overcast. Light breeze from N.W. At 4.15 swung to flood. Fires banked under four boilers.

(Signed) Richard G. Davenport
Lieut.

From 6 to 8 P.M Clear. Cold. Light breeze from S.W. Slack water at 7.30. Riding to wind. Banked fires under four boilers. Average pressure 80 lbs. Temp of bunkers 80°. Distilling.

(Signed) J. T. Sullivan

From 8 to Midnight. Clear and cold. Moderate breeze from S and W. Squally. Swung to the ebb at 8. Hauled fires under two boilers. Stopped distilling at 10. Average steam pressure 30 lbs. Temp of bunkers 69°.

(Signed) J. K. Cogswell.
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns,
Hampton Roads Va.

Hour.	Knots.	Fathoms.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
			Direction.	Force.		Height in inches.	Ther. air'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A.M.														
1			NNW	4		30.52	36	33	31		bc	Cum Nimb	4	
2			"	"		30.50	"	34	"		"	"	5	
3			"	"		30.49	"	"	"		"	"	6	
4			"	"		30.49	"	"	"		"	"	2	
5			"	3		30.44	35	33	30		om	"	0	
6			"	"		"	34	31	29		"	"	"	
7			"	"		30.45	33	29	"		"	"	"	
8			"	"		30.40	"	28	28		"	"	"	
9			"	"		30.40	"	28	30		"	"	"	
10			N	"		30.45	"	28	28		"	"	"	
11			NW	2		30.44	34	31	30		"	"	"	
Noon			NNW	"		30.36	36	33	32		"	"	"	

Record of the sail the vessel is
under at end of watch.

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	0	1	11
Longitude by D. R. at Noon	0	1	
Latitude by Observations at Noon ⊕	0	1	11
Longitude by Chronometer from Forenoon Observations ⊕	0	1	11
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ⊕ observed at Sunrise	0	11	11
Variation of the Compass by Azimuth ⊕ observed at	0	11	11
Water expended during the preceding 24 hours			217 gallons
Water Condensed during the preceding 24 hours			930 "
Water remaining on hand fit for me at Noon			2190 "
Coal consumed during the preceding 24 hours	2	tons	620 lbs.
Coal remaining on hand at Noon	56	"	240 "

P.M.									
1	NW	0-1	30.35	36	34	34	os	Cum Nimb	0
2	"	0-2	30.34	38	35	"	"	"	"
3	"	2	"	"	"	"	"	"	"
4	"	"	"	39	34	33	"	"	"
5	"	1-2	"	40	"	34	"	"	"
6	W	0-1	"	"	35	"	bc	"	5
7	WSW	2	30.86	41	"	"	"	Nimb	8
8	"	"	"	40	34	33	b		10
9	"	3	30.40	38	32	31	"		0
10	"	4	30.42	37	31	31	"	"	"
11	SW	5	30.44	"	"	"	"	"	"
Mid.	"	"	30.44	"	"	"	"	"	"

Longitude by Chronometer from Afternoon Observations \oplus	0	'	"
Longitude by Chronometer Observations]	0	'	"
Variation of the Compass by Amplitude observed at Sunset	0	'	"
Variation of the Compass by at	0	'	"

under the command of Commander W. Scott Schley
Thursday January 11th, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear. Freezing. Light S.W. breeze. Bright starlight. Slack water at 2.45. Swung to flood at 3.30. Banked fires under two boilers. Average steam pressure 25 lbs. Temp of bunkers 69°.

(Signed) Richard G. Davenport
Lieut.

From 4 to 8 A.M. Clear and cold. Light variable airs. Riding to flood tide. At 7.30 Flagship made general signal 2350. At 7.50 preparatory 5456, and at 8 o'clock 5456. Loosed sail to a bowline at 8 o'clock. Banked fires under two boilers. Average steam 30 lbs. Temp. bunkers 69°.

(Signed) J. T. Sullivan
Lieut.

From 8 to Merid. Clear and pleasant. Light airs from S. At 9.30 inspected at quarters and exercised 1st Div. at great guns. 2nd Div. at small arms. 3rd section of boys received instructions in seamanship. 4th section in signals. Slack water at 8.30. Ship swung to ebb at 9.00. At 11.30 Flag Ship made preparatory 4826 and 11.30 4826. Furled sail and unbent mainsail. Average steam pressure 30 lbs. Temp of bunkers 68°. Fires banked under two boilers. Court-martial in session on Flagship.

(Signed) J. K. Cogswell
Lieut.

From Merid. to 4 P.M. Clear. Pleasant. Light breeze from S. At 1.00 piped to hammocks and aired bedding. Unbent foretopsail and main topmast staysail. Riding to ebb. Slack water at 3.45. Banked fires under two boilers. Average steam 30 lbs. Temp of bunkers 68°

(Signed) Richard G. Davenport
Lieut.

From 4 to 6 P.M. Clear and pleasant. Light S.W. breeze. Swung to flood at 5.30. Banked fires under two boilers.

(Signed) J. T. Sullivan
Lieut.

From 6 to 8 P.M. Clear and pleasant. Light breeze from S. Slack water at 7.30. Fires banked under two boilers. Average steam 30 lbs. Temp bunkers 60°.

(Signed) J. K. Cogswell
Lieut.

From 8 to Midnight. Clear. Cold. Damp. Light S.W. breeze. Cum. Str. clouds. Swinging to ebb at 8.00. Banked fires under two boilers. Average steam pressure 25 lbs. Temp bunkers 60°.

(Signed) Richard G. Davenport
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Hampton Roads Va.

Hour.	Knots.	Fathoms.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A.M.														
1			SW	3		30.44	36	30	30		b.	None	10	
2			"	"		30.46	"	"	"		"	"	"	
3			"	"		"	35	"	"		"	"	"	
4			"	"		"	34	31	31		"	"	"	
5			"	2-		"	"	30	"		b.c.	Cir Nimb	9	
6			"	1		30.40	"	29	30		"	"	7	
7			Calm	0		30.50	35	27	29		"	"	"	
8			ESE	1		30.52	36	28	27		"	"	"	
9			S	"		"	"	30	28		"	"	8	
10			"	"		30.54	38	35	30		"	"	"	
11			"	2		"	39	39	33		"	"	"	
Noon			"	1		30.59	43	43	37		"	"	"	

Distance run by Log since preceding Noon		knots		fathoms.
Latitude by D. R. at Noon		0		"
Longitude by D. R. at Noon		0		"
Latitude by Observations at Noon ⊕		0		"
Longitude by Chronometer from Forenoon Observations ⊕		0		"
Current during the time	knots		fms. per hour, setting to the	
Variation of the Compass by Amplitude ⊕ observed at Sunrise		0		"
Variation of the Compass by Azimuth ⊕ observed at		0		"
Water expended during the preceding 24 hours				217 gallons
Water during the preceding 24 hours				"
Water remaining on hand fit for me at Noon				2555 "
Coal consumed during the preceding 24 hours	1	tons	460	lbs.
Coal remaining on hand at Noon	54	"	2220	"

P.M.														
1			S	2		30.46	48	48	42		b.c.	Cir. Cum	4	
2			"	"		30.40	"	"	44		"	"	6	
3			SW	"		30.38	50	50	"		"	"	3	
4			"	3		"	"	"	"		"	"	7	
5			S	2		30.36	48	46	43		"	"	5	
6			"	3		30.37	"	44	"		"	Cum Str	6	
7			"	"		"	"	"	41		"	"	"	
8			"	"		"	"	42	39		"	"	5	
9			"	"		"	"	40	40		"	"	6	
10			"	"		"	47	"	"		"	"	7	
11			"	"		"	45	"	"		"	"	8	
Mid.			"	"		"	"	"	"		"	"	11	

Longitude by Chronometer from Afternoon Observations ⊕		0		"
Longitude by Chronometer Observations]		0		"
Variation of the Compass by Amplitude observed at Sunset		0		"
Variation of the Compass by at		0		"

under the command of Commander W. Scott Schley
Friday January 12th, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Partly cloudy and cool. Slight breeze from S.S.W. Slack water at 3.30. Fires banked under two boilers. Average steam pressure 35 lbs. Temp bunkers 74°.

(Signed) J. T. Sullivan
Lieut.

From 4 to 8 A.M. Cloudy and pleasant. Light airs from S.W. Swung to flood at 5.00. Flagship made signal 3350. Average steam pressure 25 lbs. Temp. bunkers 70° At 7.45 "Pinta" got underway.

(Signed) J. K. Cogswell
Lieut.

From 8 to Merid. Overcast first part of watch. Damp. Light airs from N and E. Slack water at 9.30. Swung to ebb at 11.00. At 8.59 Flagship made preparatory general signal 6144. At 9.05 general signal 6144. Crossed Topgallant yards. "Passaic", "Montauk" and "Wyandotte" got underway and steamed for Norfolk. Engaged in scraping spars. Banked fires under two boilers. Average steam 25 lbs. Temp. of bunkers 66°.

(Signed) Richard G. Davenport
Lieut.

From Merid. to 4 P.M. Clear and pleasant. Light E.N.E. breeze. Riding to ebb. At 3.00 Russian Man of War bearing a Rear Admirals flag came in sight and anchored at 3.40. At 3.45 Russian Man of War fired a national salute and was answered with a similar salute by Flagship. Immediately afterwards Russian Man of War fired a salute of 13 guns and was answered by Flagship. Banked fires under two boilers. Average steam 30 lbs. Temp. of bunkers 68°

(Signed) John T. Sullivan
Lieut.

From 4 to 6 P.M. Clear and pleasant. Light airs from S. Ship swung to flood at 4.30. Fires banked under two boilers.

(Signed) J. K. Cogswell
Lieut.

From 6 to 8 P.M. Clear. Pleasant. Light airs from E. Riding to flood. Banked fires under two boilers. Average steam 18 lbs. Temp. of bunkers 64°. Distilling.

(Signed) Richard G. Davenport
Lieut.

From 8 to Midnight. Clear and pleasant. Light S.W. airs. Swung to ebb at 9.30. Fires banked under two boilers. Average steam 30 lbs. Temp. of bunkers 73°.

(Signed) John T. Sullivan
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns,
Hampton Roads Va.

Hour.	Knots.	Fathoms.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
			Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A.M.														
1			SSW	2		30.34	45	41	40		b.c.	Cum.	5	
2			"	"		"	"	"	"		"	"	2	
3			"	"		"	46	42	41		"	"	5	
4			"	"		30.36	"	"	"		"	"	6	
5			SW	1		30.38	"	"	42		"	"	5	
6			"	"		30.40	"	44	43		"	Cum. Str.	3	
7			"	0-1		30.43	"	"	"		"	"	"	
8			"	"		30.44	"	"	44		"	"	2	
9			NNE	"		30.48	"	"	43		"	"	3	
10			NE	"		"	"	42	42		"	Cir Cum	2	
11			"	"		30.46	47	45	45		"	"	"	
Noon			E by N	"		30.44	50	48	47		"	"	5	

Record of the sail the vessel is
under at end of watch.

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	0	1	"
Longitude by D. R. at Noon	0	1	"
Latitude by Observations at Noon ⊕	0	1	"
Longitude by Chronometer from Forenoon Observations ⊕	0	1	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ⊕ observed at Sunrise	0	"	"
Variation of the Compass by Azimuth ⊕ observed at	0	"	"
Water expended during the preceding 24 hours			217 gallons
Water during the preceding 24 hours			730 "
Water remaining on hand fit for me at Noon			2190 "
Coal consumed during the preceding 24 hours	2	tons	120 lbs.
Coal remaining on hand at Noon	52	"	1900 "

P.M.									
1	ENE	1-2	30.41	52	50	50	b.c.	Cir. Cum	8
2	"	1-2	30.41	54	49	48	"	"	3
3	"	"	30.38	53	48	"	"	"	5
4	ESE	"	30.36	"	46	46	"	"	8
5	E	0-1	30.38	48	41	42	"	"	7
6	"	"	"	46	40	"	"	"	6
7	ESE	"	"	44	41	"	"	"	0
8	E	"	"	45	43	43	"	Str.	9
9	Calm	0	30.36	46	"	"	"	Cum. Str.	5
10	SW	2	30.36	48	"	"	"	"	7
11	"	3	30.34	"	"	"	"	"	5
Mid.	"	"	30.30	"	"	"	"	"	"

Longitude by Chronometer from Afternoon Observations \oplus	o	'	"
Longitude by Chronometer Observations]	o	'	"
Variation of the Compass by Amplitude observed at Sunset	o	'	"
Variation of the Compass by at	o	'	"

under the command of Commander W. Scott Schley
Saturday January 13th, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy. Cool. Pleasant. Freshening S.W. breeze. Cir. Cum. clouds. Riding to ebb. Banked fires under two boilers. Average steam pressure 30 lbs. Temp of bunkers 80°.

(Signed) Richard G. Davenport
Lieut.

From 4 to 8 A.M. Cloudy and pleasant. Moderate breeze from S.W. Swung to flood at 6.00. Average steam pressure 30 lbs. Temp of bunkers 69°. Received fresh provisions for crew. Flagship made signal 3350. Distilling.

(Signed) J. K. Cogswell
Lieut.

From 8 to Merid. Overcast. Cloudy. Fresh N.E. breeze. At 8.45 Russian Man of War got underweigh [underway] and steamed toward Norfolk. At 10.00 wind suddenly shifted to N. and E. Held survey on catamaran. Slack water at 10.30. Swung to ebb at 11.00 Banked fires under two boilers. Average pressure 35 lbs. Temp of bunkers 78°. Distilling.

(Signed) John T. Sullivan
Lieut.

From Merid. to 4 P.M. Overcast and cloudy. Light breeze from N. and E. Ship ridding [riding] to ebb. At 3.30 brig "Pinta" arrived from Norfolk. Average steam pressure 35 lbs. Temp of bunkers 78°. Stopped distilling at 12.15. Fires banked under two boilers.

(Signed) J. K. Cogswell
Lieut.

From 4 to 8 P.M. Overcast. Light N.E. airs. Slack water at 4.15. Swung to flood at 4.50. Ensign S. C. Lemly reported for duty, by order Rear Admiral Trenchard. Rich. Beale (Mach) John McAndle (S.C.F.) Walter Carter (1.C.F.) Wm. D. Saddle (2.C.F.) Michael Gerry (2.C.F.) Fred Cashman (1.C.F.) and Thomas Curley (2.C.F.) returned from temporary duty on "Montauk". Received from Navy Yard Norfolk. 150 fathoms of 4 inch 4 strand hemp. And 60 fathoms 4 1/2 inch 3 strand hemp. Banked fires under two boilers. Average steam pressure 24 lbs. Temp of bunkers 80°.

(Signed) Richard G. Davenport
Lieut.

From 8 to Midnight. Overcast. Light N. E[aster]ly airs. Swing to ebb at 9.45. Fires banked under two boilers. Average steam pressure 35 lbs. Temp of bunkers 75°.

(Signed) Jn. T. Sullivan
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Hampton Roads Va.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prog. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1				SW	3		30.26	48	42	42		b.c.	Cir. Cum	9		
2				"	3-4		30.25	"	45	45		"	"	4		
3				"	4-5		30.24	49	48	48		"	"	3		
4				"	4-6		"	"	30	50		"	"	1		
5				"	5		30.20	50	49	48		"	Cir. Str	5		
6				"	"		"	"	48	"		"	"	4		
7				"	4		30.18	"	"	"		"	"	3		
8				W	"		"	"	"	"		"	"	1		
9				N by W	"		30.20	51	49	50		"	"	"		
10				NNE	"		"	"	46	47		"	"	"		
11				"	4		30.21	50	44	45		o.c.	Nimb.	0		
Noon				NE	"		"	48	43	44		o.c.f.	"	"		

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	0	"
Longitude by D. R. at Noon	0	"
Latitude by Observations at Noon ⊕	0	"
Longitude by Chronometer from Forenoon Observations ⊕	0	"
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ⊕ observed at Sunrise	0	"
Variation of the Compass by Azimuth ⊕ observed at	0	"
Water expended during the preceding 24 hours		217 gallons
Water during the preceding 24 hours		"
Water remaining on hand fit for me at Noon		2555 "
Coal consumed during the preceding 24 hours	1 tons	660 lbs.
Coal remaining on hand at Noon	51 "	1260 "

P.M.																
1				NNE	2-3		30.25	48	44	44		o.c.	Cum Nimb	0		
2				"	"		30.23	"	"	"		"	"	"		
3				"	"		30.22	47	43	"		"	"	"		
4				"	"		"	"	"	43		"	"	"		
5				ENE	1-2		"	46	"	42		o.	"	"		
6				Calm	0		30.21	"	41	41		"	"	"		
7				"	"		"	"	"	"		"	"	"		
8				"	"		"	"	"	"		"	"	"		
9				NE	0-1		"	"	"	"		"	Nimb.	"		
10				"	"		"	"	"	"		o.f.	"	"		
11				"	"		"	"	"	"		"	"	"		
Mid.				"	"		30.18	"	"	"		"	"	"		

Longitude by Chronometer from Afternoon Observations ⊕	0	"	"
Longitude by Chronometer Observations]	0	"	"
Variation of the Compass by Amplitude observed at Sunset	0	"	"
Variation of the Compass by at	0	"	"

under the command of Commander W. Scott Schley
Sunday January 14th, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast and calm. Riding to ebb. Average steam pressure 35 lbs. Temp bunkers 74°.

(Signed) J. K. Cogswell
Lieut.

From 4 to 8 A.M. Overcast. Cold. Damp. Calm first part of watch. Light N. By E. breeze latter part. Cum. Nimb. clouds. Slack water at 4. Swung to flood at 4.45. Banked fires under two boilers. Average steam pressure 25 lbs. Temp bunkers 76°. At 7.30 Flagship made 3350.

(Signed) Richard G. Davenport
Lieut.

From 8 to Merid. Overcast and cool, foggy last hour. Light wind from N.E. Cum. Nimb. clouds. Slack water at 10.30. Swung to ebb at 11.00. Divisional inspection at 9.30. Commanding Officer inspected ship and crew at quarters at 9.45. Called all hands to muster at 10.00 and read prayers. Banked fires under two boilers. Average steam pressure 25 lbs. Temp bunkers 70°

(Signed) Sam. C. Lemly
Ensign

From Merid. to 4 P.M. Partly overcast. Light breeze from N. and E. At 1.00 P.M. visiting party left ship for U.S.S. "Hartford". Party returned at 3.00. Also received on board visiting party from "Hartford". Ship riding to ebb. Steam pressure 30 lbs. Temp. bunkers 70°. Fires banked under two boilers.

(Signed) J. T. Sullivan
Lieut.

From 4 to 8 P.M. Overcast with light airs from N. and E. At 4.40 Flagship made general signal 2985. Slack water at 5.30. Swung to flood at 6.30. At 4.45 started distilling. Banked fires under two boilers. Average steam pressure 21 lbs. Temp of bunkers 73°.

(Signed) J. K. Cogswell
Lieut.

From 8 to Midnight. Overcast and cool, with light E[aster]ly airs. Slack water at 11.15. Fires banked under two boilers. Distiller in operation. Steam pressure 30 lbs. Temp of bunkers 80°.

(Signed) Sam. C. Lemly, Ensign.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Hampton Roads Va.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.			TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prog. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1				NE	1		30.30	44	41	41		or	Nimb	0		
2				"	"		"	"	"	"		"	"	"		
3				"	2		"	"	"	"		"	"	"		
4				"	"		30.28	"	"	"		"	"	"		
5				NNE	"		30.24	43	42	"		"	"	"		
6				"	"		"	"	"	"		"	"	"		
7				"	"		30.22	"	"	"		orf	"	"		
8				"	"		"	"	"	"		"	"	"		
9				"	1-2		30.21	44	"	"		"	"	"		
10				"	0-1		30.18	"	"	"		"	"	"		
11				NNW	"		"	46	43	42		"	"	"		
Noon				"	"		30.17	"	"	"		of	"	"		

Distance run by Log since preceding Noon		knots		fathoms.
Latitude by D. R. at Noon	o		'	"
Longitude by D. R. at Noon	o		'	"
Latitude by Observations at Noon ⊕	o		'	"
Longitude by Chronometer from Forenoon Observations ⊕	o		'	"
Current during the time	Knots		fms. per hour, setting to the	
Variation of the Compass by Amplitude ⊕ observed at Sunrise	o		"	"
Variation of the Compass by Azimuth ⊕ observed at	o		"	"
Water expended during the preceding 24 hours				225 gallons
Water Condensed during the preceding 24 hours				730 "
Water remaining on hand fit for me at Noon				2190 "
Coal consumed during the preceding 24 hours	1	tons	260	lbs.
Coal remaining on hand at Noon	49	"	420	"

P.M.																
1			Calm	0		30.12	47	43	42			of	Nimb	0		
2			"	"		30.10	"	"	"			"	"	"		
3			SW	0-1		30.08	"	44	43			"	"	"		
4			"	"		"	"	"	"			"	"	"		
5			SSW	"		30.06	46	43	"			"	"	"		
6			"	"		"	"	"	"			"	"	"		
7			"	"		"	"	"	"			"	"	"		
8			"	1		30.04	47	44	"			"	"	"		
9			"	2		30.02	48	46	44			"	Cum Nimb	"		
10			"	3		29.99	49	48	46			"	"	"		
11			SW	3-5		29.97	52	50	48			bc	"	2		
Mid.			"	4-7		29.94	53	53	50			"	"	"		

Longitude by Chronometer from Afternoon Observations ⊕	o		'	"
Longitude by Chronometer Observations	o		'	"
Variation of the Compass by Amplitude	o		'	"
Variation of the Compass by	o		'	"

under the command of Commander W. Scott Schley
Monday January 15th, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast and rainy. Light airs from N and E. Swung to ebb tide at 12.05. Fires banked under two boilers. Average steam 27 lbs. Temp of bunkers 74°.

(Signed) J. T. Sullivan
Lieut.

From 4 to 8 A.M. Overcast. Continuous rain. Light breeze from N and E. Foggy. Swung to the flood at 5.30. Average steam pressure 25 lbs. Temp of bunkers 65°. Distilling.

(Signed) J. K. Cogswell
Lieut.

From 8 to Merid. Overcast. Foggy. Rainy. Last hour light airs from N and E, shifting to N. and W. Slack water at 10.30. At 11.30 swung to the ebb. Fires banked under two boilers. Average steam pressure 30 lbs. Temp of bunkers 80°. Stopped distilling at 11.40.

(Signed) Richard G. Davenport
Lieut.

From Merid. to 4 P.M. Overcast and foggy, calm first half, light airs from S.W. second half of watch. Shipped port accommodation ladder. Fires banked under two boilers. Steam pressure 30 lbs. Temp of bunkers 80°. Riding to ebb tide.

(Signed) Sam. C. Lemly
Ensign.

From 4 to 8 P.M. Overcast and foggy with light airs from S and W. Riding to ebb. Slack water at 6. Swung to flood at 7.45. Banked fires under two boilers. Average pressure 22 lbs. Temp of bunkers 80°.

(Signed) J. T. Sullivan
Lieut.

From 8 to Midnight. Overcast. Warm. Very foggy with light airs from S and W. Riding to flood and across tide first part of watch. Swung to ebb at 11.45f. Freshening wind with occasional warm puffs from S.W. Banked fires under two boilers. Temp of bunkers 70°. Average steam pressure 25 lbs.

(Signed) Richard G. Davenport
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns,
Hampton Roads Va.

Hour.	Knots.	Fathoms.	WINDS.				BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. air'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A.M.															
1				SSW	3-5	29.90	53	51	51		bcqm	Cum Nimb	6		
2				"	3-4	"	"	"	"		cqm	"	0		
3				"	3-5	"		54	53		"	"	"		
4				SW by S	"	"	"	"	"		"	"	"		
5				"	"	"	"	54	54		bcq	"	2		
6				"	"	29.92	55	"	"		"	"	"		
7				"	"	29.94	56	55	55		"	"	1		
8				"	"	29.96	57	56	56		"	"	"		
9				WSW	"	30.00	58	57	57		omq	"	"		
10				"	3	30.04	"	"	56		"	"	"		
11				SW	2	"	"		57		of	"	0		
Noon				"	"	"	59	55	55		bcf	Cir Cum Nimb	2		

Record of the sail the vessel is
under at end of watch.

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	0	1	"
Longitude by D. R. at Noon	0	1	"
Latitude by Observations at Noon ⊕	0	1	"
Longitude by Chronometer from Forenoon Observations ⊕	0	1	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ⊕ observed at Sunrise	0	"	"
Variation of the Compass by Azimuth ⊕ observed at	0	"	"
Water expended during the preceding 24 hours			225 gallons
Water			"
Water remaining on hand fit for me at Noon			2555 "
Coal consumed during the preceding 24 hours	1	tons	1160 lbs.
Coal remaining on hand at Noon	47	"	1500 "

P.M.									
1	W by N	1-2	30.02	60	63	62	bcf	Cum Nimb	1
2	WNW	"	"	62	61	61	"	"	"
3	NW	0-1	"	66	"	"	of	"	0
4	NNW	"	30.06	63	57	58	"	"	"
5	"	1	30.08	59	55	56	bcm	"	4
6	N	"	30.12	57	53	54	"	"	2
7	NNE	1-3	30.16	56	"	53	"	"	6
8	"	3	30.20	55	51	52	fc	"	7
9	"	2	30.30	54	50	50	"	"	1
10	"	"	30.34	52	47	47	"	"	3
11	"	"	30.34	"	46	46	"	"	2
Mid.	"	"	30.88	"	"	"	"	"	3

Longitude by Chronometer from Afternoon Observations ☉	0	'	"
Longitude by Chronometer Observations]	0	'	"
Variation of the Compass by Amplitude observed at Sunset	0	'	"
Variation of the Compass by at	0	'	"

under the command of Commander W. Scott Schley
Tuesday January 16th, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy but pleasant. Wind fresh in squalls from S.W. Sea moderate. Ship riding to ebb tide. Fires banked under two boilers. Steam 25 lbs. Temp of bunkers 68°.

(Signed) Sam. C. Lemly
Ensign.

From 4 to 8 A.M. Cloudy and warm. Wind squally from S and W. Swung to flood at 7.45. Banked under two boilers. Average steam 25 lbs. Temp of bunkers 85°. At 7.30 Flagship made signal 3350.

(Signed) J. T. Sullivan
Lieut.

From 8 to Merid. Overcast and foggy. Fresh breeze from S. and W. during first two hours. Increasing during last two. At 9.30 inspected at quarters. Exercised 1st Div. small arms, 2nd Div single sticks. Fourth section of boys received instruction in seamanship after quarters. Ship riding to flood. Slack water at 11.30. Average steam 25 lbs. Temp of bunkers 76°. Fires banked under two boilers.

(Signed) J. K. Cogswell
Lieut.

From Merid. to 4 P.M. Overcast. Foggy. Warm. Light airs from N and W. Swung to ebb at 12.30. At 3.30 Flagship fired salute of 13 guns in honor of Russian Admiral. Board of Survey composed of C.H. Black, Lt B.F. Tilley and Gunner Albev came aboard to examine state of magazine flood cock and hose. At 3.45 hoisted pilot flag at fore. Banked fires under two boilers. Average steam pressure 25 lbs. Temp of bunkers 74°. By order of Rear Admiral Trenchard, Midshipman R. Henderson was detached from temporary duty aboard "Pinta" and ordered to resume his duties aboard this ship.

(Signed) Richard G. Davenport
Lieut.

From 4 to 8 P.M. Cloudy first part, wind hauling from N.W. to S.W. and sky clearing towards close of watch. Cum. Nimb clouds, barometer rising. At 4.05 Pilot came onboard. Scraped top of hammock rails. Hoisted smoke pipe. Fires banked under two boilers. Commenced distilling at 6. Temp of bunkers 74°. Steam 25 lbs. Slack water at 6. Swung to flood at 6.30.

(Signed) Sam. C. Lemly, Ensign.

From 8 to Midnight. Cloudy first hour, afterwards clear. Moderate breeze from N. and E. Swung to the ebb at 11.45. Average steam pressure 25 lbs. Temp of bunkers 72°. Distiller in operation.

(Signed) J. K. Cogswell
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, At Anchor off Hospital Wharf Norfolk Va.

Hour.	Knots.	Fathoms.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.															
1			NE by E	3		30.06	49	45	40		bc	Cum Nimb	7		
2			NE by N	4		30.41	"	40	43		"	"	"		
3			N	3-5		30.42	47	43	"		bcq	"	8		
4			"	3		30.44	45	"	"		"	"	"		
5			NNE	"		30.48	44	"	"		bc	"	7		
6			"	"		30.54	"	"	40		"	"	8		
7			NE by N	4		30.56	43	40	"		"	"	2		
8			NNE	"		"	"	41	44		"	"	1		
9			"	3		30.60	44	42	"		"	"	2		
10			"	"		30.62	"	43	42		o	"	"		
11			NE by N	2-3		30.64	46	45	44		"	"	"		
Noon			NE by E	"		"	"	44	"		"	"	"		
Distance run by Log since preceding Noon															
										knots	fathoms.				
Latitude by D. R. at Noon										o	"	"			
Longitude by D. R. at Noon										o	"	"			
Latitude by Observations at Noon ⊕										o	"	"			
Longitude by Chronometer from Forenoon Observations ⊕										o	"	"			
Current during the time										knots	fms. per hour, setting to the				
Variation of the Compass by Amplitude ⊕ observed at Sunrise										o	"	"			
Variation of the Compass by Azimuth ⊕ observed at										o	"	"			
Water expended during the preceding 24 hours										225 gallons					
Water Condensed during the preceding 24 hours										730 "					
Water remaining on hand fit for me at Noon										2190 "					
Coal consumed during the preceding 24 hours										4 tons	1140 lbs.				
Coal remaining on hand at Noon										43 "	360 "				
P.M.															
1			ENE	3		30.68	46	44	44		or	Cum Nimb	0		
2			N by E	2-3		30.62	"	"	"		orf	"	"		
3			NNE	"		"	"	"	43		"	"	"		
4			"	"		30.64	47	"	48		"	"	"		
5			N	"		"	"	"	"		"	"	"		
6			N by W	"		30.66	"	"	"		"	"	"		
7			NW	"		30.64	48	"	"		"	"	"		
8			"	3		30.62	47	42	42		"	"	"		
9			N	"		"	"	41	41		or	Nimb	"		
10			N by E	3-4		30.64	"	"	40		orq	"	"		
11			NNE	3		"	46	"	"		od	"	"		
Mid.			ENE	2		"	"	40	41		"	"	"		
Longitude by Chronometer from Afternoon Observations ⊕										o	"	"			
Longitude by Chronometer Observations										o	"	"			
Variation of the Compass by Amplitude										o	"	"			
Variation of the Compass by										o	"	"			

under the command of Commander W. Scott Schley
Wednesday January 17th, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear. Cold. Damp. Moderate N.E[aster]ly breeze, Cum Nimb clouds. Swung to ebb at 1.30. Banked fires under four boilers. Average steam pressure 23 lbs. Temp of bunkers 73°.

(Signed) Richard G. Davenport
Lieut.

From 4 to 8 A.M. Clear and cool, with moderate breeze from N.E. Clouding over last hour. At 4 o'clock started fires under four boilers. Average steam pressure 25 lbs. Temp of bunkers 70°. Distiller in operation. At 4.30 a side wheel steamer anchored abreast this ship and burned carbon light, green, white and red. Flagship answered. At 7.30 "Hartford" made 3350, answered.

(Signed) Sam. C. Lemly
Ensign.

From 8 to Merid. Overcast and cool. Light breeze from N and E. Riding to flood. At 8.35 brought to starboard chain and hove in to 30 fathoms. At 9 pilot came aboard. At 9.30 Rear Admiral Trenchard came aboard. Hoisted his flag. At 9.35 got underway. At 10.55 came to anchor off hospital wharf in 3 3/4 fathoms water veered to 15 fathom chain. Admiral visited "Svetlana", she saluted with 13 guns. "Powhatan" returned with 13 guns. Lieut. W. Kellogg returned from leave. Draft of ship forward 13 feet. Aft 14 feet 6in. Banked fires under all boilers. Average steam pressure 60 lbs. Temp of bunker 56°.

(Signed) J. T. Sullivan
Lieut.

From Merid. to 4 P.M. Overcast cloudy and rainy. Light breeze from N. and E. Ship riding to ebb. At 1.40 Admiral Trenchard left ship and at 1.45 hauled down flag. Average steam 55 lbs. Temp of bunkers 90°. Fires banked fires under all boilers.

(Signed) J. K. Cogswell
Lieut.

From 4 to 8 P.M. Overcast. Rainy. Misty. Light N[orther]ly breeze. Made interrogatory 4890. At 4.20 in answer, "Powhatan" made signal 904. Got underway at 4.30, steamed up to Navy Yard. At 6.45 secured head and stern to mooring buoys. Banked fires. Average pressure 55 lbs. Temp of bunkers 95 lbs. At 6.45 pilot left the ship.

(Signed) Richard G. Davenport
Lieut.

From 8 to Midnight. Overcast and rainy with moderate N.E[aster]ly breeze, first hour falling to light and hauling to E. Allowed fires to die out in six and banked fires in two remaining boilers. Distiller in operation. Average steam 30 lbs. Temp of bunkers 93°.

(Signed) Sam. C. Lemly
Ensign.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns,
Navy Yard Gosport Va.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1				NE	3		30.64	45	40	41		omt	Nimb			
2				N	"		"	44	39	39		"	"			
3				NNW	2		30.65	43	38	38		or	"			
4				"	"		"	"	"	"		"	"			
5				"	"		"	42	39	"		"	"			
6				"	"		30.66	"	"	39		o	"			
7				N	"		"	"	40	40		or	"			
8				"	"		"	"	41	"		"	"			
9				"	"		30.67	44	"	"		"	"			
10				"	"		"	"	"	"		"	"			
11				NNE	"		30.68	"	42	41		"	"			
Noon				"	"		30.68	"	"	"		"	"			

Distance run by Log since preceding Noon	knots		fathoms.	
Latitude by D. R. at Noon	0		1	41
Longitude by D. R. at Noon	0		1	41
Latitude by Observations at Noon ⊕	0		1	41
Longitude by Chronometer from Forenoon Observations ⊕	0		1	41
Current during the time	knots	fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊕ observed at Sunrise	0		41	41
Variation of the Compass by Azimuth ⊕ observed at	0		41	41
Water expended during the preceding 24 hours				225 gallons
Water during the preceding 24 hours				41
Water remaining on hand fit for me at Noon				2555
Coal consumed during the preceding 24 hours	1	tons	1160	lbs.
Coal remaining on hand at Noon	41	"	1440	"

P.M.									
1	NNE	0-1	30.60	40	43	42	or	Nimb	0
2	"	"	"	"	42	"	"	"	"
3	"	"	30.58	47	44	43	"	"	"
4	"	"	30.57	48	45	44	"	"	"
5	"	1	30.54	49	"	"	od	"	"
6	"	"	"	50	"	"	d	"	"
7	"	"	"	"	"	"	"	"	"
8	NNW	"	"	"	"	"	"	"	"
9	"	"	30.55	49	44	43	"	"	"
10	NW	"	30.56	48	42	42	om	"	"
11	"	"	30.55	"	"	44	"	"	"
Mid.	"	"	30.54	"	43	42	"	"	"

Longitude by Chronometer from Afternoon Observations \oplus		0	1	11
Longitude by Chronometer Observations	]	0	1	11
Variation of the Compass by Amplitude	observed at Sunset	0	1	11
Variation of the Compass by	at	0	1	11

under the command of Commander W. Scott Schley
Thursday January 18th, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast. Rainy. Cold. Disagreeable. Light airs from S and W.
Banked fires under two boilers. Average pressure 35 lbs. Temp of bunkers 105°.

(Signed) J. T. Sullivan
Lieut.

From 4 to 8 A.M. Overcast, cool, rainy. Light breeze from N. Flood tide. Banked fires under two
boilers. Steam 20 lbs. Temp of bunkers 65°. Distilling.

(Signed) J. K. Cogswell
Lieut.

From 8 to Merid. Overcast. Cold. Rainy. Light breeze from N. At 8.45 fished starboard anchor.
Sent starboard watch ashore on liberty at 9. Shackled port bower chain to port sheet anchor and
paid below. Slack water at 11.45. Banked fires under two boilers. Average steam pressure 27
lbs. Temp of bunkers 90°. Distilling.

(Signed) Richard G. Davenport
Lieut.

From Merid. to 4 P.M. Overcast, cloudy and rainy. Light airs from N and E. Tide turned ebb at
12.30. Fires banked under two boilers. Average steam pressure 28 lbs. Temp of bunkers 90°.
Distiller in operation.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 P.M. Overcast with light airs from N.N.E. veering to N.N.W. last hour. Barometer
steady. Fred Wolfinger (Boy) and Robert Landon (Boy) returned from liberty in good condition.
Rigged in port lower boom at sunset. Stopped distiller at 6.55. Average steam pressure 26 lbs.
Temp of bunkers 87°.

(Signed) Sam. C. Lemly
Ensign.

From 8 to Midnight. Overcast. Misty. Wet. Light airs from N and W. Steam pressure 30 lbs.
Temp of bunkers 78°.

(Signed) J. K. Cogswell
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns,
Navy Yard Gosport Va.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1				SSW	1		30.52	47	43	43		om	Nimb	0		
2				"	"		30.57	"	"	"		"	"	"		
3				"	0-1		"	"	"	"		"	"	"		
4				SW	"		30.50	46	"	"		"	"	"		
5				"	1		"	"	44	"		"	"	"		
6				Calm	0		30.58	"	"	44		"	"	"		
7				"	"		"	47	45	40		of	"	"		
8				NNE	1		"	48	"	"		"	"	"		
9				"	"		"	"	"	"		"	"	"		
10				W	"		30.46	"	"	"		"	"	"		
11				"	"		"	"	"	"		"	"	"		
Noon				SSW	"		"	"	"	"		"	"	"		

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	0	1	11
Longitude by D. R. at Noon	0	1	
Latitude by Observations at Noon ⊕	0	1	11
Longitude by Chronometer from Forenoon Observations ⊕	0	1	11
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ⊕ observed at Sunrise	0	11	11
Variation of the Compass by Azimuth ⊕ observed at	0	11	11
Water expended during the preceding 24 hours			224 gallons
Water Condensed during the preceding 24 hours			730 "
Water remaining on hand fit for me at Noon			2190 "
Coal consumed during the preceding 24 hours	tons	2200	lbs.
Coal remaining on hand at Noon	40	11	1480 "

P.M.									
1	SW	0-1	30.40	49	46	46	of	Nimb	0
2	Calm	0	30.36	50	47	47	"	"	"
3	"	"	"	"	"	"	"	"	"
4	"	"	"	51	"	"	"	"	"
5	"	"	30.34	"	"	"	"	"	"
6	"	"	"	"	48	48	"	"	"
7	SSE	0-1	30.30	53	"	"	"	"	"
8	"	"	"	"	"	"	"	"	"
9	Calm	0	"	"	49	"	"	"	"
10	SSE	0-1	30.29	"	"	49	"	"	"
11	"	"	30.26	"	48	48	"	"	"
Mid.	"	"	30.24	52	"	"	"	"	"

Longitude by Chronometer from Afternoon Observations \oplus		0	1	"
Longitude by Chronometer Observations	]	0	1	"
Variation of the Compass by Amplitude	observed at Sunset	0	1	"
Variation of the Compass by	at	0	1	"

under the command of Commander W. Scott Schley
Friday January 19th, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy. Cool. Misty. Nimb clouds. Light SW[ester]ly breeze. Flood tide. Banked fires under two boilers. Average steam pressure 25 lbs. Temp of bunkers 82°.

(Signed) Richard G. Davenport
Lieut.

From 4 to 8 A.M. Foggy. Calm. Banked fire under two main boilers. Steam pressure 23 lbs. Temp of bunkers 78°.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Merid. Overcast and foggy with light variable airs. Commanding Officer paid official visit to Russian Admiral onboard the "Svetlana". Towed ash lighter alongside and dumped ashes. Fires banked in two boilers. Average steam pressure 25 lbs. Temp of bunkers 72°.

(Signed) Sam. C. Lemly
Ensign.

From Merid. to 4 P.M. Overcast and foggy. Calm. Banked fires under two forward starboard boilers. Average pressure 30 lbs. Temp of bunker 83°.

(Signed) J. T. Sullivan.
Lieut.

From 4 to 8 P.M. Overcast and foggy. Calm during first part. Light airs from S. and E. during last hour. Fires banked under two boilers. Average steam pressure 25 lbs. Temp of bunkers 76°.

(Signed) J. K. Cogswell
Lieut.

From 8 to Midnight. Overcast and foggy. Light airs from S and E. Tide changed flood at 10. Steam in two main boilers. Average steam pressure 25 lbs. Temp of bunkers 76°.

(Signed) Wainwright Kellogg
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.															
1			SSE	3		30.20	51	48	48		of	Nimb	0		
2			"	2		30.18	"	"	"		"	"	"		
3			"	"		30.16	"	"	"		"	"	"		
4			"	"		30.12	"	49	49		"	"	"		
5			"	"		30.08	"	50	50		"	"	"		
6			SSW	"		30.04	"	51	51		"	"	"		
7			"	"		30.00	53	53	53		ofr	"	"		
8			"	3		29.98	55	56	56		oc	"	"		
9			"	"		29.94	57	58	58		"	"	"		
10			"	3-4		29.92	60	61	60		"	Cum Nimb	1		
11			"	"		29.96	62	63	62		"	"	"		
Noon			"	"		29.86	68	65	64		"	"	"		

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	0	1	11
Longitude by D. R. at Noon	0	1	
Latitude by Observations at Noon ⊕	0	1	11
Longitude by Chronometer from Forenoon Observations ⊕	0	1	11
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ⊕ observed at Sunrise	0	11	11
Variation of the Compass by Azimuth ⊕ observed at	0	11	11
Water expended during the preceding 24 hours		225 gallons	
Water during the preceding 24 hours		"	
Water remaining on hand fit for me at Noon		2555 "	
Coal consumed during the preceding 24 hours	tons	1900	lbs.
Coal remaining on hand at Noon	38	"	1820 "

[illegible]

under the command of Commander W. Scott Schley
Saturday January 20th, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Foggy and damp, with light wind from S.S.E. Barometer falling slowly. Fires banked in two boilers. Average steam pressure 25 lbs. Temp of bunkers 72°.

(Signed) Sam. C. Lemly
Ensign.

From 4 to 8 A.M. Overcast, foggy and rainy. Light S.S.W[ester]ly airs. Fires banked under two boilers. Average pressure 25 lbs. Temp of bunker 70°.

(Signed) J. T. Sullivan
Lieut.

From 8 to Merid. Overcast, cloudy and foggy during first hour. Fresh breeze from S.S.W. Lieut. Walker reported return from leave. Fires banked under two boilers. Average steam pressure 25 lbs. Temp of bunkers 76°. Francis Norton (2.C.F.) and Benj O. Low (Sch Mr) absent without leave.

(Signed) J. K. Cogswell
Lieut.

From Merid. to 4 P.M. Overcast. Warm. Squally from S.S.W. At 2 Benj O. Low (Sch Mr) was brought aboard by police, to whom a reward of ten dollars was paid. Captain Z__ and Comdr Kain U.S.N. officially visited ship. Lieut. Cogswell left ship on leave of absence for one week. By order of Commanding Officer Benj O. Low (Sch Mr) was placed a prisoner at large for absenting himself without leave, while in the execution of his duty. Got out another stern fast. Ebb tide. Banked fires under two boilers. Average steam pressure 20 lbs. Temp coal bunkers 76°.

(Signed) Richard G. Davenport
Lieut.

From 4 to 8 P.M. Overcast, warm with occasional rain showers. Moderate breeze from S and W. Banked fires under two boilers. Average steam pressure 20 lbs. Temp of bunkers 76°. Barometer rising.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Midnight. Overcast, raining. Light breeze from W.S.W. Rained very hard from 10.40 to 11.05. Banked fires under two boilers. Average pressure 20 lbs. Temp of bunkers 72°. Wind suddenly shifted to fresh N.N.E. squalls at 11.50.

(Signed) J. T. Sullivan
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Navy Yard Gosport Va.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prog. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A.M.															
1				NNE	3		30.03	60	53	54		ocr	Nimb	0	
2				"	"		30.06	57	"	"		oc	"	"	
3				NE	"		30.08	"	"	53		"	"	"	
4				"	0-1		30.12	"	"	"		"	"	"	
5				"	"		30.14	53	51	51		"	"	"	
6				"	1		30.19	52	49	49		"	"	"	
7				"	2		30.24	"	48	47		"	"	"	
8				"	"		30.28	48	47	48		"	"	"	
9				"	"		30.32	"	46	46		"	"	"	
10				"	"		"	49	48	47		ocr	"	"	
11				"	3		30.34	"	"	"		ocqd	"	"	
Noon				"	3-5		"	"	45	45		"	"	"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	o	i
Longitude by D. R. at Noon	o	i
Latitude by Observations at Noon ⊕	o	i
Longitude by Chronometer from Forenoon Observations ⊕	o	i
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ⊕ observed at Sunrise	o	"
Variation of the Compass by Azimuth ⊕ observed at	o	"
Water expended during the preceding 24 hours		217 gallons
Water during the preceding 24 hours		"
Water remaining on hand fit for me at Noon		2190 "
Coal consumed during the preceding 24 hours	tons	2100 lbs.
Coal remaining on hand at Noon	37	" 1960 "

P.M.															
1				NE	3-4		30.35	48	44	43		ocrq	Nimb	O	
2				NNE	4-5		30.34	"	"	44		"	"	"	
3				ENE	"		"	"	45	"		ocq	"	"	
4				"	1-2		"	"	46	45		oc	"	"	
5				"	2		30.38	49	44	44		ocr	"	"	
6				"	1-2		30.39	50	45	45		"	"	"	
7				"	"		30.40	"	46	"		oc	"	"	
8				"	"		"	"	47	46		"	"	"	
9				NE	2		"	49	"	"		ocr	"	"	
10				"	3		"	"	45	45		"	"	"	
11				"	"		"	"	"	"		"	"	"	
Mid.				"	"		"	"	"	"		"	"	"	
Longitude by Chronometer from Afternoon Observations ⊕												o	i	"	
Longitude by Chronometer Observations												o	i	"	
Variation of the Compass by Amplitude												o	i	"	
Variation of the Compass by												o	i	"	

under the command of Commander W. Scott Schley
Sunday January 21st, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast. Rainy. Moderate N.E[aster]ly breeze. Nimb clouds. Flood tide. Banked fires under two boilers. Average steam pressure 25 lbs. Temp coal bunkers 70°.

(Signed) Richard G. Davenport
Lieut.

From 4 to 8 A.M. Overcast, gloomy with occasional slight showers of rain. Moderate breeze from N and E. Flood tide during watch. Banked fires under two main boilers. Average steam pressure 20 lbs. Temp of bunkers 78°.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Merid. Overcast and cloudy with light rain. Wind fresh in squalls from N.E. Running flood tide. Fires banked under two boilers. Average steam pressure 20 lbs. Temp of bunkers 64°.

(Signed) Sam. C. Lemly
Ensign.

From Merid. to 4 P.M. Overcast, rainy, cloudy and squally. Fresh breeze from N and E. Ebb tide. Banked fires under two boilers. Average pressure 20 lbs. Temp of bunkers 64°.

(Signed) J. T. Sullivan
Lieut.

From 4 to 8 P.M. Overcast. Disagreeable. Rainy. Light airs from N. and E. Ebb tide. Banked fires under two boilers. Average steam pressure 20 lbs. Temp of bunkers 66°. Distiller in operation.

(Signed) Richard G. Davenport
Lieut.

From 8 to Midnight. Overcast and cloudy, with light N. E[aster]ly breeze, and continuous rain. Fires banked under two boilers. Average steam 20 lbs. Temp of bunkers 68°. Distiller in operation. By order of Commanding Officer, gave Walter Thomas (Lds) 1 1/2 hours extra duty for neglect of duty.

(Signed) Sam. C. Lemly
Ensign.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Navy Yard Gosport Va.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prog. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.															
1			ENE	2		30.41	48	44	44		or	Nimb	0		
2			"	"		30.40	"	"	"		"	"	"		
3			"	1-2		"	46	"	"		"	"	"		
4			N.E. by E.	"		30.37	"	"	"		"	"	"		
5			NNE	"		30.35	45	41	42		"	"	"		
6			N	"		30.34	44	"	41		"	"	"		
7			N by W	"		"	"	40	40		"	"	"		
8			NNW	"		"	42	39	39		"	"	"		
9			NNE	2		30.36	"	40	40		"	"	"		
10			"	2-3		30.37	43	39	39		"	"	"		
11			"	3-4		30.39	"	"	"		"	"	"		
Noon			"	2		30.40	"	38	38		"	"	"		

Distance run by Log since preceding Noon		knots		fathoms.
Latitude by D. R. at Noon		0		"
Longitude by D. R. at Noon		0		"
Latitude by Observations at Noon ⊕		0		"
Longitude by Chronometer from Forenoon Observations ⊕		0		"
Current during the time	knots		fms. per hour, setting to the	
Variation of the Compass by Amplitude ⊕ observed at Sunrise		0		"
Variation of the Compass by Azimuth ⊕ observed at		0		"
Water expended during the preceding 24 hours				217 gallons
Water Condensed during the preceding 24 hours				730 "
Water remaining on hand fit for me at Noon				2703 "
Coal consumed during the preceding 24 hours	2	tons	30	lbs.
Coal remaining on hand at Noon	35	"	1930	"

P.M.																
1			NNE	3-4		30.36	43	41	40		orq	Nimb	0			
2			"	3-5		"	44	39	39		"	"	"			
3			"	"		"	"	"	"		"	"	"			
4			"	3		"	"	"	"		"	"	"			
5			"	"		30.35	"	40	40		or	"	"			
6			"	3-4		30.39	45	"	"		"	"	"			
7			N	4		"	"	"	"		"	"	"			
8			N by E	3		30.44	"	39	39		"	"	"			
9			NNE	2		30.46	44	"	40		"	"	"			
10			"	"		"	43	"	38		"	"	"			
11			N	"		"	"	"	"		"	"	"			
Mid.			NNW	"		"	"	"	"		"	"	"			
Longitude by Chronometer from Afternoon Observations ⊕											0		"			
Longitude by Chronometer Observations											0		"			
Variation of the Compass by Amplitude											0		"			
Variation of the Compass by											0		"			

under the command of Commander W. Scott Schley
Monday January 22nd, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast, raining, disagreeable. Light breeze from N. and W.
Banked fires under two boilers. Average steam pressure 22 lbs. Temp of bunkers 64°

(Signed) J. T. Sullivan
Lieut.

From 4 to 8 A.M. Overcast. Rainy. Thick. Cold. Disagreeable. Moderate N wind. Nimb clouds.
Ebb tide. Banked fires under two boilers. Average steam pressure 25 lbs. Temp of bunkers 68°.
Distilling.

(Signed) Richard G. Davenport
Lieut.

From 8 to Merid. Cloudy and rainy, wind variable from N.N.E. Flood tide. Average steam 26 lbs.
Temp of bunkers 72°. Distiller in operation. David Dalton (S.B.) Frank Maguire (Q.M) Jamie
Brown (C.F.C.) Thomas Luddin (Lds) Wm D. Laddles (2 C.F.) Jerimiah Donovan (Lds E.F.)
and William Barker (Lds) absent without leave.

(Signed) Wainwright Kellogg
Lieut.

From Merid. to 4 P.M. Overcast and cloudy with continuous rain, wind fresh in squalls from
N.N.E. The Grand Duke Alexis and Russian Admiral paid an official visit to the yard, where they
were received by the officers of the station and ships here. At 1.15 the "Powhatan" fired a salute
of 21 guns which the "Svetlana" returned gun for gun. At 1.30 the "Worcester" fired 21 guns in
honor of the visit of the Grand Duke. David Dalton (S.C.) Thomas Ludden (Lds) Frank Maguire
(Q.M.) Jerimiah Donovan (Lds E.F.) and Jamie Brown (C.F.C.) returned from liberty. Turned
ebb tide at 3.50. Fires banked under two boilers. Distiller in operation. Temp of bunkers 73°.
Steam pressure 24 lbs.

(Signed) Sam. C. Lemly
Ensign.

From 4 to 8 P.M. Overcast and rainy. Moderate breeze from N. and E. Ebb tide. Banked fires
under two boilers. Average steam pressure 22 lbs. Temp of bunkers 70°. Distilling.

(Signed) J. T. Sullivan
Lieut.

From 8 to Midnight. Overcast. Cool. Drizzling. Light airs from N. Banked fires under two boilers.
Average pressure 25 lbs. Temp of bunkers 72°. Flood tide.

(Signed) Wainwright Kellogg
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns,
Navy Yard Gosport Va

Hour.			WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	
	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. air'd.	Air Dry Bulb.					Air Wet Bulb.	Water at surface.
A.M.														
1				N	2		30.46	43	39	39		bc	Nimb	5
2				N BY W	"		"	"	38	38		"	"	7
3				"	"		"	"	"	"		"	"	8
4				N	"		"	"	"	"		"	"	"
5				"	"		"	41	"	"		"	Cum Nimb	6
6				"	"		30.48	"	"	"		o	"	3
7				NNE	2		30.52	40	"	"		"	"	"
8				NE	"		30.54	"	"	"		bc	Cir Cum	"
9				"	"		30.56	"	"	"		"	"	4
10				"	"		30.52	41	39	"		"	"	3
11				ENE	"		"	"	"	"		"	"	"
Noon				"	"		"	42	"	"		"	"	"

Record of the sail the vessel is
under at end of watch.

Distance run by Log since preceding Noon	knots		fathoms.	
Latitude by D. R. at Noon	0		1	"
Longitude by D. R. at Noon	0		1	"
Latitude by Observations at Noon ⊕	0		1	"
Longitude by Chronometer from Forenoon Observations ⊕	0		1	"
Current during the time	knots	fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊕ observed at Sunrise	0		"	"
Variation of the Compass by Azimuth ⊕ observed at	0		"	"
Water expended during the preceding 24 hours				225 gallons
Water		during the preceding 24 hours		"
Water remaining on hand fit for me at Noon				2555 "
Coal consumed during the preceding 24 hours	1	tons	1800	lbs.
Coal remaining on hand at Noon	34	"	130	"

P.M.									
1	ENE	3	30.50	42	38	38	bc	Cir Cum	2
2	"	"	"	"	"	"	"	"	"
3	"	2	"	"	39	"	oc	Cum Nimb	0
4	"	"	"	"	38	"	ocs	"	"
5	"	1	30.48	"	39	39	"	Nimb	"
6	Var	0-1	"	"	40	"	"	"	"
7	"	"	"	"	"	"	"	"	"
8	"	1	30.46	43	39	"	"	"	"
9	"	"	30.44	"	"	"	os	"	"
10	Calm	0	30.42	44	40	"	o	"	"
11	"	"	30.41	43	39	"	"	"	0
Mid.		"	"	"	"	"	bc	Cum Nimb	1

Longitude by Chronometer from Afternoon Observations \oplus		0	1	11
Longitude by Chronometer Observations	]	0	1	11
Variation of the Compass by Amplitude	observed at Sunset	0	1	11
Variation of the Compass by	at	0	1	11

under the command of Commander W. Scott Schley
Tuesday January 23rd, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and cool with light breeze from N. Fires banked under two boilers. Average steam pressure 30 lbs. Temp of bunkers 70°. Running flood tide.

(Signed) Sam. C. Lemly
Ensign.

From 4 to 8 A.M. Partially overcast, with light breeze from N.E. Ebb tide. Half masted colors at service in obedience to general order, in honor of late Rear Admiral Joseph Switte. Banked fires under two boilers. Average steam pressure 22 lbs. Temp of bunkers 69°. Loosed sail at 8 o'clock.

(Signed) J. T. Sullivan
Lieut.

From 8 to Merid. Overcast. Cold. Disagreeable. Light N.E[aster]ly breeze. At 9.40 mustered and inspected at quarters, found following men absent without leave. W. D. Saddler (2.C.F.) Wm Barker (Lds) and Francis Norton (2.C.F.) Drilled 1st Div small arms, 2nd Div single sticks and Marine guard with small arms. Hauled out to a bowline at 8.30. Banked fires under two boilers. Average pressure 20 lbs. Temp of bunkers 62°. Ebb tide.

(Signed) Richard G. Davenport
Lieut.

From Merid. to 4 P.M. Overcast and cloudy. Snowing during latter part. Light breeze from N.N.E. Tide flood. At 12 m. U.S. Receiving Ship "Worcester" fired 13 minute guns in honor of the late Admiral Switte. Received from U.S. Receiving Ship "Worcester" to fill vacancies in complement, 1 seaman and 3 landsmen, one of the latter for the engineer force. Average steam during watch 20 lbs. Temp of bunkers 62°. Fires banked under two boilers.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 P.M. Overcast and cloudy with snow. Wind light and variable. Running ebb tide. Fires banked under two boilers. Average steam pressure 28 lbs. Temp of bunkers 76°. Commenced distilling at 5.45.

(Signed) Sam. C. Lemly
Ensign.

From 8 to Midnight. Overcast. Cold. Calm. Obscured moonlight. Ebb tide. Slack water at 11. Turned flood at 11.30. Banked fires under two boilers. Temp of bunkers 76°. Average steam pressure 25 lbs. Distilling.

(Signed) Richard G. Davenport
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Navy Yard Gosport Va.

		WINDS.			BAROMETER.			TEMPERATURE.				State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at't'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1				Calm	0		30.40	40	38	38		o	Nimb cir	0		
2				"	"		30.48	"	"	"		"	"	"		
3				"	"		30.47	"	"	"		"	"	"		
4				"	"		30.46	"	"	"		"	"	"		
5				W by S	1		30.46	39	36	36		"	Cum Nimb	"		
6				"	2		30.34	"	35	35		bc	"	5		
7				"	"		30.32	38	"	34		oc	"	0		
8				"	"		"	37	"	"		bc	"	6		
9				WSW	3		"	38	34	35		"	Cir Cum	10		
10				"	"		30.32	"	36	36		b	"	"		
11				W by S	4		30.30	40	37	37		"	"	"		
Noon				"	"		30.26	42	41	38		"	"	"		
Distance run by Log since preceding Noon											knots		fathoms.			
Latitude by D. R. at Noon											o		'			
Longitude by D. R. at Noon											o		'			
Latitude by Observations at Noon ⊕											o		'			
Longitude by Chronometer from Forenoon Observations ⊕											o		'			
Current during the time											knots		fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊕ observed at Sunrise											o		"			
Variation of the Compass by Azimuth ⊕ observed at											o		"			
Water expended during the preceding 24 hours													225 gallons			
Water Condensed during the preceding 24 hours													730 "			
Water remaining on hand fit for me at Noon													2555 "			
Coal consumed during the preceding 24 hours											7		tons	510		lbs.
Coal remaining on hand at Noon											26		"	1860		"
P.M.																
1				NW	2-4		30.24	43	42	39		bcq	Cir Cum	8		
2				NW by N	2-5		30.22	44	43	40		"	"	"		
3				NW	5-7		30.24	45	"	"		"	"	4		
4				"	"		30.25	44	40	38		"	"	8		
5				WNW	3		30.26	43	"	"		"	"	"		
6				"	4		30.26	"	39	"		bc	"	10		
7				NW	5-6		30.38	42	37	37		bcq	"	"		
8				NNW	6-7		30.40	"	36	36		"	"	"		
9				"	5		30.44	41	34	34		b	"	"		
10				"	4-5		30.47	39	33	32		bq	"	"		
11				"	4		30.50	38	32	"		"	"	"		
Mid.				"	3		30.50	36	31	31		b	"	"		
Longitude by Chronometer from Afternoon Observations ⊕											o		'			
Longitude by Chronometer Observations]											o		'			
Variation of the Compass by Amplitude observed at Sunset											o		'			
Variation of the Compass by at											o		'			

under the command of Commander W. Scott Schley
Wednesday January 24th, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast. Cool. Calm. Ebb tide during watch. Steam in two boilers. Average pressure 25 lbs. Temp bunkers 75°.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 A.M. Cool and cloudy with light breeze from W. by S. Turned ebb at 5.40. Very bright aurora borealis first hour of watch. Remarkable fall barometer from 5 to 6 o'clock. Fires banked under two boilers. Steam 25 lbs. Temp of bunkers 88°. Distiller in operation. Hoisted smoke pipe at 7.

(Signed) Sam. C. Lemly
Ensign.

From 8 to Merid. Clear and pleasant, with moderate breeze from S and W. Ebb tide. Inspected at quarters at 9.30. At 10.45 Pilot came onboard. Midshipman W. J. Haurmen was suspended from duty to await action by Commander in Chief. By order of Commanding Officer, James O' Donnell (2.C.F.) confined in cell for drunkenness and disrespect to the Officer of the Deck. Started fires under four boilers at 10.30. Steam in six boilers. Average steam pressure 26 lbs. Temp of bunkers 76°. Distilling.

(Signed) J. T. Sullivan
Lieut.

From Merid. to 4 P.M. Clear. Cool. Squalls from N and W. Flood tide. Steam reported ready at 2. Got underway at 2.50 and stood down Elizabeth river. Draft 13 ft. 14 ft. 15 ft 6 in. No. of revolutions 48. Average steam pressure 65 lbs. Temp of bunkers 70°.

(Signed) Richard G. Davenport
Lieut.

From 4 to 8 P.M. Clear. Cold. Fresh squalls from N and W. Made signal 1211. Flagship answered 904. Let go starboard anchor in 11 fathoms of water at 4.45 and veered to 45 fathoms. Old Point Light bearing N.N.E. Thimble E. 3/8 N. Rip Raps S.S.E. Ship head W.N.W. At 5.19 down top gallant yards. Ebb tide. Banked fires under four boilers and steam in two. Average pressure 30 lbs. Temp of bunkers 76°. James Brown was transferred from "Worcester" to "Hartford". Hoisted distinguishing pennant and Flagship made numeral 59.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Midnight. Cloudy and cold. Fresh breeze from N.N.W. Riding to ebb. Banked fires under four boilers. Average steam pressure 17 lbs. Temp of bunkers 68°.

(Signed) J. T. Sullivan
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns,
Hampton Roads Va

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fifts.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.															
1				NNW	1		30.57	35	31	31		b		10	
2				"	2		"	"	"	"		"		"	
3				"	1		30.52	34	"	"		"		"	
4				"	2		"	"	"	"		"		"	
5				W	"		30.52	33	30	30		"		"	
6				WNW	"		30.53	"	31	"		"		"	
7				"	3		30.55	"	"	"		bc	cir	9	
8				"	"		30.58	"	30	29		"	"	"	
9				W by S	"		30.60	35	32	30		"	Cir Cum	6	
10				"	"		"	38	35	33		"	"	5	
11				W	2		"	49	"	34		"	"	"	
Noon				"	"		30.58	41	37	35		"	"	"	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	0	1	11
Longitude by D. R. at Noon	0	1	11
Latitude by Observations at Noon ⊕	0	1	11
Longitude by Chronometer from Forenoon Observations ⊕	0	1	11
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ⊕ observed at Sunrise	0	11	11
Variation of the Compass by Azimuth ⊕ observed at	0	11	11
Water expended during the preceding 24 hours			225 gallons
Water			11
Water remaining on hand fit for me at Noon			2555 11
Coal consumed during the preceding 24 hours	2	tons	220 lbs.
Coal remaining on hand at Noon	24	11	1640 11

[illegible]

Longitude by Chronometer from Afternoon Observations \oplus	0	'	"
Longitude by Chronometer Observations]	0	'	"
Variation of the Compass by Amplitude observed at Sunset	0	'	"
Variation of the Compass by at	0	'	"

under the command of Commander W. Scott Schley
Thursday January 25th, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear. Freezing. Light breeze from N.N.W. Bright moonlight until 3.40 when she set. Banked fires four boilers. Average steam pressure 25 lbs. Temp of bunkers 68°. Slack water at 1. Swung to flood at 1.30.

(Signed) Richard G. Davenport
Lieut.

From 4 to 8 A.M. Clear. Cold. Pleasant. Light breeze from W. At 6 ship swung to ebb. Midshipman Griffin left ship on a leave of absence of one week. At 7.30 spread fires in six main boilers. Flagship made signals 3350. Temp of bunkers 74°.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Merid. Clear and pleasant with light breeze from W. Riding to ebb tide. At 8.45 brought to on starboard chain, hove in to eight fathoms and steamed ahead shifting anchorage. Bearings. Old Point N.E. 3/4 N. Rip Raps S.E. by S. 1/4 S. with ships head W. 1/4 S. Secured at 45 fathoms on starboard chains. At 8.55 Flagship made preparatory 5456 and at 9 5456. At 9.30 loosed sail to a bowline. At 9.50 mustered at quarters. Wm Devois (Boiler Maker) absent without leave from the ship. At 11.30 Flagship made preparatory 5955, and 5955 shortened sail. Flagship made 4826. Furled sail. Hauled fires in No. 5 and 7 boilers at 9.40. Fires banked in No. 2 and 4 boilers. Steam 35 lbs. Temp of bunkers 64°. The "Pinta" got underway at 10.30 and stood up to Norfolk.

(Signed) Sam. C. Lemly
Ensign.

From Merid. to 4 P.M. Clear and pleasant. Calm. Riding to ebb tide. Slack water at 3.30 Banked fires under two boilers. Average steam pressure 30 lbs. Temp of bunkers 78°.

(Signed) J. T. Sullivan
Lieut.

From 4 to 8 P.M. Clear. Cold. Light airs from S.W. Swung to flood at 4.15. Flagship made signal 2985 at 4.45. Swung to ebb at 6.30. Started distiller at 6.35. Banked fires under two boilers. Average steam pressure 25 lbs. Temp of bunkers 68°. Distilling.

(Signed) Richard G. Davenport
Lieut.

From 8 to Midnight. Clear and cold, bright moonlight. Light breeze from S.W. Riding to ebb tide. Fires banked in two boilers. Steam pressure 20 lbs. Temp of bunkers 72°. Distilling.

(Signed) Sam. C. Lemly
Ensign.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Hampton Roads Va.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prog. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A.M.															
1				SSW	1-2		30.52	42	36	32		b	None	10	
2				SW	3		30.52	41	37	36		"	"	"	
3				"	4-5		30.52	40	"	"		"	"	"	
4				"	3		30.52	"	"	35		"	"	"	
5				"	2		"	39	36	"		"	"	"	
6				"	3		"	"	"	36		"	"	"	
7				"	2		30.56	"	"	35		"	"	"	
8				"	1		30.57	"	35	34		"	"	"	
9				"	2		30.58	40	36	35		"	"	"	
10				"	"		30.60	42	40	39		"	"	"	
11				S	"		30.58	44	42	41		"	"	"	
Noon				"	1-2		30.52	47	42	43		"	"	"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	o	i
Longitude by D. R. at Noon	o	i
Latitude by Observations at Noon ⊕	o	i
Longitude by Chronometer from Forenoon Observations ⊕	o	i
Current during the time	Knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ⊕ observed at Sunrise	o	"
Variation of the Compass by Azimuth ⊕ observed at	o	"
Water expended during the preceding 24 hours		225 gallons
Water during the preceding 24 hours		730 "
Water remaining on hand fit for me at Noon		2555 "
Coal consumed during the preceding 24 hours	6 tons	1100 lbs.
Coal remaining on hand at Noon	18 "	540 "

P.M.															
1				Calm	0		30.48	52	50	48		b	None	10	
2				SW by W	2		30.44	55	52	50		"	"	"	
3				"	"		"	"	"	"		"	"	"	
4				"	"		30.42	"	"	"		"	"	"	
5				"	"		"	51	51	51		"	"	"	
6				"	"		"	53	50	50		"	"	"	
7				"	1		"	52	48	48		"	"	"	
8				"	"		"	51	46	46		"	"	"	
9				Calm	0		30.44	50	45	44		"	"	"	
10				ESE	0-1		30.45	"	44	45		"	"	"	
11				S	1		30.44	48	43	42		"	"	"	
Mid.				"	"		30.44	"	42	"		"	"	"	

Longitude by Chronometer from Afternoon Observations ⊕	o	i	"
Longitude by Chronometer Observations]	o	i	"
Variation of the Compass by Amplitude observed at Sunset	o	i	"
Variation of the Compass by at	o	i	"

under the command of Commander W. Scott Schley , U. S. Navy.
Friday January 26th, 1877.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and cool, with moderate breeze from S and W. Bright moonlight. Slack water at 1.30. Swung to flood at 2.30. Banked fires under two boilers. Average steam pressure 20 lbs. Temp of bunkers 72°.

(Signed) J. T. Sullivan
Lieut.

From 4 to 8 A.M. Clear. Cold. Light breeze from S.W. Moon set at 4.30. Slack water at 7. Swung to ebb at 7.30. Banked fires under two boilers. Temp of bunkers 74°. Average steam pressure 20 lbs. Distilling. At 7.30 Flagship made general signal 3350.

(Signed) Richard G. Davenport
Lieut.

From 8 to Merid. Clear and pleasant. Light breeze from S. and W. Riding to ebb. At 9.15 started fires under four boilers. At 9.30 exercised at general quarters. Time as follows.

Cast Loose	mi[nutes]	Secured	mi
1 st Div	6 1/2	1 st Div	9
2 nd "	3 1/2	2 nd "	7 1/2
Powder "	3 1/2	Powder "	5
Eng. "	2	Eng. "	2 1/2
Master "	4 1/2	Master "	3
Marine "	1 1/2	Marine "	20 ^C
Surgons "	2 1/2	Surgons "	

At 10 Flagship made general signal 3103. Made preparation for towing. At 10.30. hoisted pilot flag. Pilot came onboard at 11. Steam in six boilers. Average steam pressure 25 lbs. Temp of bunkers 73.0. Distilling. Jeremiah O'Donnell (2.C.F.) released from confinement.

(Signed) Wainwright Kellogg
Lieut.

From Merid. to 4 P.M. Clear, cloudless an pleasant. With light breeze from S.W. At 12.45 made to "Hartford" interrogatory 4890, she answered 904. Got underway at 1.25 and at 1.45 took coal schooner E.C. Knight in tow and stood toward Norfolk in charge of pilot. At 3.15 exchanged numbers with "Powhatan". At 3.55 cast off schooner abreast of Navy Yard code wharf and made fast to buoy. Draught of ship 13 ft forward, 14 ft amidships, 15 ft 6 in. aft. Fires in six boilers Steam 55 lbs. Temp of bunkers 75°.

(Signed) Sam. C. Lemly
Ensign.

From 4 to 8 P.M. Clear and pleasant. Light S.W[ester]ly airs. At 5 o'clock hauled into dock and moored alongside coal schooners. Made preparations for coaling ships. At 7 hauled fire from under four boilers. Average steam 45 lbs. Temp of bunkers 72°. By order of Comdg Officer, Richard Jones (Lds) was rated W.R. Cook, from Jan 6th inclusive.

(Signed) J. T. Sullivan, Lieut.

From 8 to Midnight. Clear. Cold with light airs from S and W. Bright moonlight. Ebb tide. Banked fires under two boilers. Average steam pressure 5 lbs. Temp of bunkers 69°.

(Signed) Richard G. Davenport, Lieut.
Asa Walker, Lieut.
Navigator.

Examined and found to be correct

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns,
Navy Yard Gosport Va

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.	Leeway.	Height in inches.	Ther. at f'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.															
1			S by W	1		30.44	45	41	40		b	-	10		
2			"	"		"	"	40	39		bc	cir	9		
3			"	"		"	43	"	"		"	Cir cim	7		
4			"	"		"	"	"	"		"	"	"		
5			SSW	"		30.40	"	"	40		"	"	6		
6			"	"		"	"	"	"		"	"	4		
7			SW	"		30.31	"	41	41		"	"	1		
8			"	"		"	"	"	"		"	"	"		
9			"	"		30.36	44	43	43		"	"	"		
10			SSW	"		30.35	46	46	44		"	"	"		
11			SW	"		30.33	48	49	47		"	"	2		
Noon			"	"		30.31	51	51	49		"	"	"		

Record of the sail the vessel is
under at end of watch.

Distance run by Log since preceding Noon	knots		fathoms.	
Latitude by D. R. at Noon	0			"
Longitude by D. R. at Noon	0			"
Latitude by Observations at Noon ⊕	0			"
Longitude by Chronometer from Forenoon Observations ⊕	0			"
Current during the time	knots	fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊕ observed at Sunrise	0		"	"
Variation of the Compass by Azimuth ⊕ observed at	0		"	"
Water expended during the preceding 24 hours				225 gallons
Water during the preceding 24 hours				"
Water remaining on hand fit for me at Noon				2555 "
Coal consumed during the preceding 24 hours	1	tons	1140	lbs.
Coal remaining on hand at Noon	79	"	20	"

P.M.									
1	WSW	1	30.28	50	54	52	o	Cir Cum	0
2	"	"	30.24	56	55	53	bc	"	1
3	"	1-2	30.22	57	57	43	"	"	4
4	SW	1	30.20	58	56	"	"	"	2
5	WSW	1-2	30.18	57	54	52	"	"	5
6	SW	0-1	"	56	53	"	"	"	7
7	"	"	30.20	55	52	51	"	"	"
8	"	"	"	54	50	50	"	"	"
9	Calm	0	30.24	53	49	49	b	None	10
10	"	"	30.24	52	48	48	"	"	"
11	NW	1	30.26	"	47	47	"	"	"
Mid.	"	"	"	51	45	45	"	"	"

Longitude by Chronometer from Afternoon Observations \oplus	0	'	"
Longitude by Chronometer Observations]	0	'	"
Variation of the Compass by Amplitude observed at Sunset	0	'	"
Variation of the Compass by at	0	'	"

under the command of Commander W. Scott Schley
Saturday January 27th, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and cool, bright moonlight. Light airs from S. by W. Ebb tide. Fires banked under two boilers. Steam 20 lbs. Temp of bunkers 70°.

(Signed) Sam. C. Lemly
Ensign.

From 4 to 8 A.M. Partly cloudy and pleasant. Light S.W[ester]ly airs. Commenced coaling ship at 6.30. Fires banked under two boilers. Average steam 30 lbs. Temp of bunkers 69°.

(Signed) J. T. Sullivan
Lieut.

From 8 to Merid. Clear. Pleasant. Light S.W. breeze. Crew engaged in coaling ship. At 11.40 Lieut. Cogswell returned from leave. Fires banked under two boilers. Temp of bunkers 52°. Average steam pressure 25 lbs. At 11.55 William Duvois (Boiler Maker) was brought onboard by Portsmouth police. Received during watch, 24 tons of coal. Ebb tide.

(Signed) Richard G. Davenport
Lieut.

From Merid. to 4 P.M. Partially overcast. Warm. Light airs from S. and W. Engaged coaling ship. Received onboard John Fauer (Sea) from Receiving ship. Banked fires under two boilers. Average steam pressure 20 lbs. Temp of bunkers 65°.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 P.M. Clear and pleasant, light S.W[ester]ly airs. Turned flood at 7. At sunset knocked off coaling, having received on board about 59 tons. Dropped down with coal schooner to next wharf below and made fast as before. Fires banked under two boilers. Steam 20 lbs. Temp of bunkers 65°.

(Signed) Sam. C. Lemly
Ensign.

From 8 to Midnight. Clear and pleasant. Bright moonlight. Light N. W[ester]ly airs. Ebb tide running. Fires banked under two boilers. Average steam 20 lbs. Temp of bunkers 70°.

(Signed) J. T. Sullivan
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Navy Yard Gosport Va

		WINDS.			BAROMETER.			TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prog. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
Hour.		Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
	Knots.	Fathoms.													
A.M.															
1			NE	1-5		30.33	44	41	40		bq	None	10		
2			"	2-5		30.34	43	"	"		"	"	"		
3			"	2-4		30.38	"	"	"		"	"	"		
4			"	"		"	"	"	"		"	"	"		
5			N	2		30.41	42	43	"		b	"	"		
6			"	"		30.42	41	39	39		"	"	"		
7			"	"		30.46	"	"	"		"	"	"		
8			"	1		30.48	"	41	"		"	"	"		
9			NNE	3		30.52	42	42	40		bc	Cir Cum	9		
10			"	2		30.54	44	43	41		"	"	"		
11			"	"		30.42	46	"	"		"	"	"		
Noon			N by E	"		30.48	"	"	42		"	"	"		
Distance run by Log since preceding Noon											knots	fathoms.			
Latitude by D. R. at Noon											o	"	"	"	
Longitude by D. R. at Noon											o	"	"	"	
Latitude by Observations at Noon ⊕											o	"	"	"	
Longitude by Chronometer from Forenoon Observations ⊕											o	"	"	"	
Current during the time											knots	fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊕ observed at Sunrise											o	"	"	"	
Variation of the Compass by Azimuth ⊕ observed at											o	"	"	"	
Water expended during the preceding 24 hours											225 gallons				
Water during the preceding 24 hours											475 "				
Water remaining on hand fit for me at Noon											2190 "				
Coal consumed during the preceding 24 hours											1	tons	920	lbs.	
Coal remaining on hand at Noon											77	"	1340	"	
P.M.															
1			N by E	2		30.44	47	44	42		bc	Cir Cum	9		
2			"	"		"	48	"	"		"	"	"		
3			N	"		"	49	45	44		"	"	"		
4			"	"		"	"	"	"		"	"	"		
5			"	1		"	48	"	"		"	cir	"		
6			Calm	0		"	"	44	43		"	"	"		
7			E	1		"	47	43	40		"	"	"		
8			"	"		"	46	42	"		"	"	"		
9			Calm	0		"	45	41	"		b	None	10		
10			"	"		30.46	44	"	"		"	"	"		
11			"	"		"	"	40	"		"	"	"		
Mid.			"	"		"	"	"	"		"	"	"		
Longitude by Chronometer from Afternoon Observations ⊕											o	"	"	"	
Longitude by Chronometer Observations]											o	"	"	"	
Variation of the Compass by Amplitude observed at Sunset											o	"	"	"	
Variation of the Compass by at											o	"	"	"	

under the command of Commander W. Scott Schley
Sunday January 28th, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear. Bright moonlight. Wind from N and E. Squally. Steam pressure 20 lbs. Temp of bunkers 68°. Distilling.

(Signed) J. K. Cogswell
Lieut.

From 4 to 8 A.M. Clear. Cold. Light N[orther]ly breeze. Flood tide. Banked fires under two boilers. Temp of bunkers 65°. Average steam pressure 20 lbs.

(Signed) Richard G. Davenport
Lieut.

From 8 to Merid. Clear and cold, with light breeze from N and E. Ebb tide. At 10.45 Commanding Officer inspected ship and crew. At 10.55 called all hands to muster. General order 221 and special order of Jan 18th from the Navy Department, and Court Martial Order of North Atlantic Squadron of Jan 16th were read. Afterwards, prayers were read by Commanding Officer. John P. Mackie (Boy) was placed in solitary confinement on bread and water, for insolence and insubordination. Banked fires under two boilers. Average steam pressure 20 lbs. Temp of bunkers 70°. Distilling.

(Signed) Wainwright Kellogg
Lieut.

From Merid. to 4 P.M. Clear and pleasant weather, with light N[orther]ly breeze. Sent visiting party to "Alliance" and "Ranger". Fires banked under two boilers. Steam 20 lbs. Temp of bunkers 70°. Turned flood at 4.

(Signed) Sam. C. Lemly
Ensign.

From 4 to 8 P.M. Clear and pleasant. Light air and calm. Flood tide running. Distilling. Average steam pressure 20 lbs. Temp of bunkers 70°.

(Signed) J. T. Sullivan
Lieut.

From 8 to Midnight. Clear and calm. Bright moonlight. Steam pressure 20 lbs. Temp of bunkers 69°. Stopped distilling at 8.

(Signed) J. K. Cogswell
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Navy Yard Gosport Va

Hour.	Knots.	Fathoms.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A.M.														
1			S	2		30.46	43	38	39		b	None	10	
2			"	"		30.45	42	"	38		"	"	"	
3			"	1		"	"	"	"		"	"	"	
4			"	"		"	41	36	36		"	"	"	
5			S by W	1-2		"	40	"	34		"	"	"	
6			"	"		"	38	"	"		"	"	"	
7			SSW	1		30.44	"	"	"		"	"	"	
8			"	"		"	"	32	36		"	"	"	
9			"	2		30.42	41	40	39		"	"	"	
10			SW	"		"	46	45	44		"	"	"	
11			"	"		30.40	49	50	45		"	"	"	
Noon			"	"		30.36	51	52	50		"	"	"	

Distance run by Log since preceding Noon	knots	fathoms.		
Latitude by D. R. at Noon	°	'	"	
Longitude by D. R. at Noon	°	'	"	
Latitude by Observations at Noon ⊕	°	'	"	
Longitude by Chronometer from Forenoon Observations ⊕	°	'	"	
Current during the time	knots	fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊕ observed at Sunrise	°	"	"	
Variation of the Compass by Azimuth ⊕ observed at	°	"	"	
Water expended during the preceding 24 hours		225 gallons		
Water during the preceding 24 hours		"		
Water remaining on hand fit for me at Noon		2190	"	
Coal consumed during the preceding 24 hours	1 tons	1140 lbs.		
Coal remaining on hand at Noon	145	" 1820	"	

P.M.														
1			WSW	1		30.34	56	54	52		b	None	10	
2			"	"		30.32	55	56	54		"	"	"	
3			"	"		30.30	57	58	56		"	"	"	
4			"	"		30.28	60	59	57		"	"	"	
5			NE	"		"	62	57	56		"	"	"	
6			SSE	"		"	60	55	54		"	"	"	
7			"	0-1		30.29	59	54	"		bc	Cr Str	7	
8			"	"		30.32	58	53	53		"	"	"	
9			Calm	0		"	54	49	50		"	"	4	
10			"	"		"	52	47	48		"	"	3	
11			"	"		30.33	50	46	46		"	"	4	
Mid.			"	"		"	48	"	"		"	"	5	

Longitude by Chronometer from Afternoon Observations ⊕	°	'	"	
Longitude by Chronometer Observations	°	'	"	
Variation of the Compass by Amplitude	°	'	"	
Variation of the Compass by	°	'	"	

under the command of Commander W. Scott Schley
Monday January 29th, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear. Cold. Pleasant. Bright moonlight. Light S[outher]ly breeze. Ebb tide. Slack water at 3.30. Banked fires under two boilers. Average steam pressure 20 lbs. Temp of bunkers 65°.

(Signed) Richard G. Davenport
Lieut.

From 4 to 8 A.M. Clear and cold. Light airs from S and W. Flood tide. Engaged in coaling ship during latter part. Banked fires under two boilers. Average steam pressure 20 lbs. Temp of bunkers 70°.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Merid. Cloudless and pleasant, light S.W[ester]ly breeze. Engaged in coaling ship. By order of Commanding Officer, Midshipman W. G. Hannum was released from suspension and restored to duty. By same order Benj. O. Low (Sch Mr) was released, but to be quarantined to the ship until further orders. G.F. Caswell (Lm. 2 C.) and Charlie Green (Q.M.) absent from the ship after the expiration of their liberty. Fires banked under two boilers. Steam pressure 20 lbs. Temp of bunkers 70°. Running ebb tide.

(Signed) Sam. C. Lemly
Ensign.

From Merid. to 4 P.M. Clear and pleasant. Light S.W[ester]ly breeze. Engaged in coaling ship. Received onboard during watch 29 tons. Received in Construction Department 20 gals. [gallons] of shellac varnish. Average steam 20 lbs. Ebb tide running.

(Signed) J. T. Sullivan
Lieut.

From 4 to 8 P.M. Clear and pleasant, light airs from N and E. Turned to flood tide at 7.15. At 7.10 completed coaling ship. Received onboard in all 132 tons. Average steam pressure during watch 20 lbs. Distiller in operation. Fires banked under two boilers.

(Signed) J. K. Cogswell
Lieut.

From 8 to Midnight. Clear. Cold. Pleasant. Calm. Moonlight. Slack water at 9. Ebb tide 9.30. Banked fires under two boilers. Average steam pressure 20 lbs. Bunkers full. Distilling.

(Signed) Richard G. Davenport

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns,
Navy Yard Gosport Va

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1				E by S	0-1		30.34	46	44	44		bc	Cir Cum	5		
2				E	"		30.36	"	43	"		"	"	6		
3				ENE	"		"	44	41	41		"	"	3		
4				"	1		30.37	"	42	42		"	"	2		
5				Calm	0		30.40	43	"	"		"	"	4		
6				"	"		30.42	"	"	"		"	"	"		
7				"	"		30.44	"	"	"		"	"	"		
8				"	"		30.48	"	43	"		bcm	"	5		
9				"	"		30.47	45	45	44		"	"	"		
10				"	"		30.49	48	48	47		bc	"	6		
11				NNE	1		30.51	50	50	49		"	"	"		
Noon				"	"		30.52	53	51	50		"	"	8		

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	0		"
Longitude by D. R. at Noon	0		"
Latitude by Observations at Noon ⊕	0		"
Longitude by Chronometer from Forenoon Observations ⊕	0		"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ⊕ observed at Sunrise	0		"
Variation of the Compass by Azimuth ⊕ observed at	0		"
Water expended during the preceding 24 hours			225 gallons
Water Condensed during the preceding 24 hours			730 "
Water remaining on hand fit for me at Noon			2190 "
Coal consumed during the preceding 24 hours	1	tons	1580 lbs.
Coal remaining on hand at Noon	144	"	240 "

P,M									
1	NNE	0-1	30.50	54	53	52	bc	Cir Cum	8
2	N by E	"	"	55	"	"	"	"	"
3	NE	1	30.51	"	"	"	"	Cir	9
4	"	"	30.52	"	"	"	"	None	10
5	"	"	"	54	51	56	"	"	"
6	ENE	"	30.53	53	49	44	"	"	"
7	E	"	30.55	52	48	48	"	"	"
8	"	"	30.56	50	"	"	"	"	"
9	"	"	"	40	46	46	b	"	"
10	Calm	0	30.57	47	44	44	"	"	"
11	E	1	"	46	43	"	"	"	"
Mid.	Calm	0	30.58	46	42	42	"	"	"

Longitude by Chronometer from Afternoon Observations \oplus	0	'	"
Longitude by Chronometer Observations]	0	'	"
Variation of the Compass by Amplitude observed at Sunset	0	'	"
Variation of the Compass by at	0	'	"

under the command of Commander W. Scott Schley
Tuesday January 30th, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Partially overcast and cool. Light airs from E. Ebb tide. Fires banked under two boilers. Average steam pressure 22 lbs.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 A.M. Clear and pleasant, calm. Bright moonlight until day break. Fires banked under two boilers. Steam 25 lbs. Distilling.

(Signed) Sam. C. Lemly
Ensign.

From 8 to Merid. Clear and pleasant. Calm first part, light N.E[aster]ly airs latter part. Mustered at quarters at 9.30. Gustave Romer (Boy) absent without leave. Made preparations for provisioning ship. Fires banked under two boilers. Average steam 25 lbs. Distilling.

(Signed) J. T. Sullivan
Lieut.

From Merid. to 4 P.M. Clear and pleasant. Light airs from N and E. Ebb tide. Crew engaged in provisioning ship. Average steam pressure 25 lbs. Fires banked under two boilers. Received onboard the following stores. 56 Bags Bread. 10 Bble Beef. 25 Boxes Preserved Beef. 10 Bble Flour. 2 1/2 Bble Rice. 12 1/2 Bble Sugar. 10 Kegs Pickles. 16 Boxes Coffee. 1 Box Tea. 1 Bble Butter. 5 Boxes Butter. 10 1/2 Bble Beans. 1 Bble Molasses. 1 Bbl Vinegar. 3 Bales Flannels. 2 Boxes Calf Shoes. 1 Box Kip Shoes. 1 Box Boots. 1 Bale Socks. 2 Boxes Tobacco. 6 Cases S[alt] Water Soap. 1 Box Whip Brooms. 1 Box D. E. Buttons. 1 Package Thread.

(Signed) J. K. Cogswell
Lieut.

From 4 to 8 P.M. Clear. Pleasant. Light N.E. breeze. Received in Pay Department, from Navy Yard, 60 Bags Bread, and following articles in Construction Department. 135 ft 2 in White Pine. 85 lbs 2 ^x 3/8 in flat iron. 12 lbs 1/2 in round iron. 6 lbs 1/4 in round iron. 8 sheets 28 03/1 copper 67 lbs composition nails. Moon rose 7.19. Banked fires under two boilers. Average steam pressure 25 lbs.

(Signed) Richard G. Davenport
Lieut.

From 8 to Midnight. Clear and pleasant, with light airs from E. Bright moonlight. Banked fires under two boilers. Average steam pressure 23 lbs.

(Signed) Wainwright Kellogg
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Navy Yard Gosport Va. Hampton Roads Va

Hour.	Knots.	Fathoms.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prog. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.			
A.M.														
1				Calm	0		30.56	44	42	42		bou	None	10
2				"	"		"	"	"	"		"	"	"
3				"	"		"	43	41	41		"	"	"
4				"	"		"	42	40	40		bf	"	"
5				"	"		30.57	41	"	"		f	"	0
6				"	"		30.58	40	"	"		"	"	"
7				N	1		30.59	39	39	39		"	"	"
8				"	"		30.60	"	38	38		"	"	"
9				"	"		"	40	42	41		of	Nimb	"
10				ESE	"		"	42	44	44		"	"	"
11				N by E	2		30.58	46	"	"		bcf	Cum Nimb	6
Noon				"	"		30.54	48	"	"		"	"	4

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	' "
Longitude by D. R. at Noon	°	' "
Latitude by Observations at Noon ⊕	°	' "
Longitude by Chronometer from Forenoon Observations ⊕	°	' "
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ⊕ observed at Sunrise	°	" "
Variation of the Compass by Azimuth ⊕ observed at	°	" "
Water expended during the preceding 24 hours		225 gallons
Water during the preceding 24 hours		"
Water remaining on hand fit for me at Noon		2190 "
Coal consumed during the preceding 24 hours	3 tons	1840 lbs.
Coal remaining on hand at Noon	141 "	640 "

P.M.														
1				E	2		30.52	49	49	48		bcf	Cum Nimb	6
2				SE	"		30.49	51	51	51		bc	"	4
3				ESE	"		30.47	53	53	52		"	Cir	"
4				"	"		"	"	50	50		"	"	"
5				E	"		30.48	52	47	46		"	Cir Cum	2
6				SE	1		"	50	46	"		"	"	6
7				"	"		"	"	47	47		"	Str	9
8				"	"		30.47	"	49	48		"	"	"
9				SE by S	"		30.45	"	48	"		bcm	Cir Cum Cum Nimb	5
10				"	3		30.44	"	"	"		"	"	1
11				SSE	2		"	"	"	"		oc	"	0
Mid.				"	"		"	"	"	"		"	"	"

Longitude by Chronometer from Afternoon Observations ⊕	°	' "
Longitude by Chronometer Observations	°	' "
Variation of the Compass by Amplitude	°	' "
Variation of the Compass by	°	' "

under the command of Commander W. Scott Schley
Wednesday January 31st, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cool and cloudless, bright moonlight. Misty around horizon, spreading to general fog last hour. Calm. Running ebb tide. Fires banked under two boilers. Average steam pressure 20 lbs.

(Signed) Sam. C. Lemly
Ensign.

From 4 to 8 A.M. Heavy fog. Calm first part, light N[orther]ly airs latter part. Turned flood at 6.15. Started fires under four boilers at 5.30. Average steam 30 lbs.

(Signed) J. T. Sullivan
Lieut.

From 8 to Merid. Overcast and foggy during first part, afterwards partially clear and cool. Light breeze from W shifting to N and E and increasing. At 9.30 inspected at quarters, afterwards made preparations for getting underway, got underway and stood down for Hampton Roads. At 10.50 Richard Beale (Mach) confined to berth deck for fighting, by order of Commanding Officer. Ships draft 14 ft 2 in forward, 15 ft 1 in amidships, 16 ft aft.

(Signed) J. K. Cogswell
Lieut.

From Merid. to 4 P.M. Clear. Pleasant. Slight fog. Light S.E. breeze. At 12.30 hoisted distinguishing pennant 1237. Flagship made general signal 1384. At 12.55 came to with port anchor in 11 fathoms water, veered to 45 fathoms chain. Bearings. Ships head W 1/2 N. Old Point Comfort E 1/2 N. Rip Raps S.E. by S. Draft of water 14 ft 2 in forward, 15 ft 1 in amidships, 16 ft aft. At 3.30 hauled fires under four boilers and started distiller. At 3.40 Flagship made general signal 2984. Average steam pressure 60 lbs. Pilot left the ship at 1.30.

(Signed) Richard G. Davenport
Lieut.

From 4 to 8 P.M. Partially overcast. Warm. Light airs from S and E. At 5 called to quarters and served out clean hammocks. Made interrogatory 5040. Flagship answered 904. Slack water at 6.30. Swung to flood at 7.15. Banked fires under two boilers. Average steam pressure 20 lbs.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Midnight. At 8.30 moon rose. Cloudy and cool with indications of rain. Light breeze from S.E. Riding to flood tide. Fires banked under two boilers. Average steam pressure 20 lbs. Distilling.

(Signed) Sam. C. Lemly
Ensign.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns,
Hampton Roads Va

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1				SSE	1		30.44	50	48	48		c	Cum	0		
2				"	"		"	"	"	"		"	"	"		
3				SW	"		30.42	"	47	47		bc	Cir Cum	2		
4				"	"		"	49	46	46		"	Cir	8		
5				"	2		"	50	"	"		"	"	"		
6				"	"		"	49	47	47		"	"	0		
7				SSW	"		30.40	"	48	48		"	"	"		
8				"	"		30.39	"	49	49		"	"	1		
9				SW	"		30.38	"	"	"		"	"	9		
10				WSW	"		30.37	52	51	51		b	None	10		
11				W	"		"	54	52	52		"	"	"		
Noon				SW	"		30.33	"	"	"		"	"	"		

Distance run by Log since preceding Noon	knots	fathoms.		
Latitude by D. R. at Noon	0	1	2	3
Longitude by D. R. at Noon	0	1	2	3
Latitude by Observations at Noon ⊕	0	1	2	3
Longitude by Chronometer from Forenoon Observations ⊕	0	1	2	3
Current during the	knots	fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊕ observed at Sunrise	0	1	2	3
Variation of the Compass by Azimuth ⊕ observed at	0	1	2	3
Water expended during the preceding 24 hours				225 gallons
Water Condensed	during the preceding 24 hours			475 "
Water remaining on hand fit for me at Noon				2555 "
Coal consumed during the preceding 24 hours	1	tons	290	lbs.
Coal remaining on hand at Noon	140	"	350	"

P.M.									
1	WSW	2	30.30	56	54	53	b	None	10
2	SW	"	"	57	56	54	"	"	"
3	"	3	30.28	59	"	"	"	"	"
4	"	2	30.26	59	"	"	"	"	"
5	SW by W	"	30.24	62	59	58	bc	Cir Str	8
6	SW	"	"	60	57	53	"	Cum	9
7	"	"	"	58	54	53	"	"	"
8	"	"	"	59	56	54	"	"	"
9	"	"	30.26	56	52	52	"	"	"
10	"	"	"	55	51	51	"	"	8
11	"	1	"	54	50	50	"	"	7
Mid.	"	3	"	"	"	"	"	"	9

Longitude by Chronometer from Afternoon Observations \oplus		0	'	"
Longitude by Chronometer Observations	]	0	'	"
Variation of the Compass by Amplitude	observed at Sunset	0	'	"
Variation of the Compass by	at	0	'	"

under the command of Commander W. Scott Schley
Thursday February 1st, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear, cool and pleasant. Bright moonlight. Light variable airs. Swung to the ebb at 12.20. Tide running very strong. Fires banked under two boilers. Average steam pressure 20 lbs. Distilling water.

(Signed) J. T. Sullivan
Lieut.

From 4 to 8 A.M. Weather pleasant. Hazy. Light breeze from S and W. Steam pressure 20 lbs. Temp of bunkers 68°. At 8 "Hartford" got underway and steamed to Norfolk. Received fresh provisions for crew.

(Signed) J. K. Cogswell
Lieut.

From 8 to Merid. Clear. Pleasant. Light S.W. breeze. Slack water at 8. Swung to flood tide at 8.45. At 9.30 Gustave Romer (Boy) returned from leave of absence. J. P. Marker (Boy) released from confinement. Engaged in cleaning ship. Banked fires under two boilers. Average steam pressure 20 lbs. Temp of bunkers 60°. Distilling.

(Signed) Richard G. Davenport
Lieut.

From Merid. to 4 P.M. Clear, pleasant, warm. Light breeze from S.W. Swung to ebb at 12.30. Condemned and threw overboard 74 lbs of bread dust. Gustave Romer (Boy) was discharged by order of Navy Department. Banked fires under two boilers. Average steam pressure 25 lbs. Temp of bunkers 70°. Distilling.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 P.M. Clear and pleasant, with light breeze from S.W. Slack water at 6.45. Swung to flood at 8. Midshipman Griffin returned from leave. At 5 went to quarters and turned in clean hammocks. Fires banked under two boilers. Steam 20 lbs. Temp of bunkers 70°.

(Signed) Sam. C. Lemly
Ensign.

From 8 to Midnight. Clear. Cool. Light S.W. breeze. Riding to flood. Bright moonlight. Moon rose about 9.30. Stopped distiller at 8. Banked fires under two boilers. Average pressure 20 lbs. Temp of bunkers 70°.

(Signed) J. T. Sullivan
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Hampton Roads Va

Hour.	Knots.	Fathoms.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
			Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.			
A.M.													
1			SW	2		30.26	54	50	50		b	None	10
2			"	"		"	53	49	49		"	"	"
3			"	"		"	52	49	49		bc	Cir Str	7
4			"	1		"	50	48	48		"	"	8
5			"	3		"	49	"	"		"	"	"
6			"	"		"	48	47	47		"	"	"
7			"	"		"	"	"	"		bcm	Cir Cum	"
8			"	"		"	"	"	48		"	"	"
9			"	2		30.28	52	52	51		"	"	"
10			"	"		30.24	54	58	62		"	"	6
11			SW by W	"		30.22	58	56	"		bc	"	5
Noon			"	"		"	"	"	60		"	"	7

Record of the sail the vessel is under at end of watch.

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	0	"
Longitude by D. R. at Noon	0	"
Latitude by Observations at Noon ⊕	0	"
Longitude by Chronometer from Forenoon Observations ⊕	0	"
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ⊕ observed at Sunrise	0	"
Variation of the Compass by Azimuth ⊕ observed at	0	"
Water expended during the preceding 24 hours		225 gallons
Water Condensed during the preceding 24 hours		230 "
Water remaining on hand fit for me at Noon		2190 "
Coal consumed during the preceding 24 hours	1 tons	1030 lbs.
Coal remaining on hand at Noon	138 "	1560 "

P.M.													
1			WSW	2		30.16	60	60	57		bcm	Cir Cum	2
2			SW by S	"		30.12	"	67	62		"	"	1
3			SW	"		30.10	"	63	61		"	"	2
4			"	3		30.08	"	58	55		"	"	4
5			"	"		"	"	60	54		"	"	"
6			"	2		30.10	62	56	54		bc	"	3
7			"	"		"	"	54	54		"	"	1
8			"	"		"	61	51	51		oc	"	0
9			"	"		"	60	54	52		oq	"	"
10			"	3		"	"	"	53		"	Cum Nimb	"
11			"	"		"	"	"	"		o	"	"
Mid.			"	1		"	"	52	51		"	"	"

Longitude by Chronometer from Afternoon Observations ⊕	0	"	"
Longitude by Chronometer Observations]	0	"	"
Variation of the Compass by Amplitude observed at Sunset	0	"	"
Variation of the Compass by at	0	"	"

under the command of Commander W. Scott Schley
Friday February 2nd, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant. Gentle breeze from S and W. High water at 1 o'clock. Steam pressure 20 lbs. Temp of bunkers 70°.

(Signed) J. K. Cogswell
Lieut.

From 4 to 8 A.M. Clear. Pleasant. Misty. Light S.W. breeze. Banked fires under two boilers. Average steam pressure 20 lbs. Bunkers full.

(Signed) Richard G. Davenport
Lieut.

From 8 to Merid. Clear and pleasant, with light S.W[ester]ly breeze. Slack water at 8.30. Swung to flood at 9. Engaged in painting ship inside. Banked fires under two boilers. Average steam pressure 25 lbs. Temp of bunkers 72°.

(Signed) Wainwright Kellogg
Lieut.

From Merid. to 4 P.M. Pleasant, but cloudy with mist about horizon. Light airs from S and W, freshening last hour. Swung to ebb tide at 1.30. Confined Thomas Murphy (O.S. 2 C.) to berth deck, to await action of Commanding Officer, for fighting. Painting ship inside. Fires banked under two boilers. Steam 20 lbs. Temp of bunkers 72°. Distilling.

(Signed) Sam. C. Lemly
Ensign.

From 4 to 8 P.M. Clear and pleasant. Light S.W. airs. Riding to ebb tide. Banked fires under two boilers. Average pressure 25 lbs. Temp of bunkers 70°. Distilling.

(Signed) J. T. Sullivan
Lieut.

From 8 to Midnight. Overcast. Light breeze from S and W. Occasional squalls. Swung to the flood at 8.45. Steam pressure 25 lbs. Temp of bunkers 70°. Distilling.

(Signed) J. K. Cogswell
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Hampton Roads Va

Hour.	Knots.	Fathoms.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prog. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.					
A.M.														
1			NNW	3		30.11	59	55	55		bc	Cum Nimb	1	
2			"	2		30.12	58	"	"		"	"	"	
3			"	"		30.14	"	53	53		"	"	5	
4			"	"		30.15	"	51	51		"	"	8	
5			N by W	"		30.16	"	50	50		"	Cir Cum	2	
6			NNW	0-1		30.22	"	49	"		"	"	"	
7			Calm	"		30.24	"	"	"		"	Cum Nimb	"	
8			"	"		30.26	"	"	"		"	"	3	
9			"	0		"	"	53	55		"	Cir Cum	6	
10			"	"		"	"	65	63		"	"	8	
11			"	"		"	59	66	68		"	"	"	
Noon			"	"		"	"	"	"		"	"	"	
Distance run by Log since preceding Noon														
										knots	fathoms.			
Latitude by D. R. at Noon										o	"	"	"	
Longitude by D. R. at Noon										o	"	"	"	
Latitude by Observations at Noon ⊕										o	"	"	"	
Longitude by Chronometer from Forenoon Observations ⊕										o	"	"	"	
Current during the time										knots	fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊕ observed at Sunrise										o	"	"	"	
Variation of the Compass by Azimuth ⊕ observed at										o	"	"	"	
Water expended during the preceding 24 hours											225 gallons			
Water Condensed											730 "			
Water remaining on hand fit for me at Noon											2555 "			
Coal consumed during the preceding 24 hours										1	tons	260	lbs.	
Coal remaining on hand at Noon										137	"	1300	"	
P.M.														
1			ENE	2		30.27	57	56	53		bc	Cum	8	
2			E	"		30.26	56	62	59		"	"	"	
3			"	3		30.24	"	61	"		"	"	9	
4			"	"		"	57	55	57		"	"	"	
5			ESE	"		"	"	52	51		"	Cir Cum	"	
6			"	"		30.26	55	49	48		"	"	7	
7			"	2		30.28	54	46	46		"	"	5	
8			"	"		30.30	"	43	41		"	"	"	
9			"	"		"	"	45	47		"	Nimb Cum	6	
10			NE	"		30.32	52	44	44		"	"	3	
11			"	"		30.34	50	43	"		"	"	5	
Mid.			"	"		"	"	45	"		o	"	0	
Longitude by Chronometer from Afternoon Observations ⊕										o	"	"	"	
Longitude by Chronometer Observations														

under the command of Commander W. Scott Schley
Saturday February 3rd, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear. Pleasant. Cum nimb clouds. Light N.N.W. breeze. Obscured moonlight. Slack water at 1.30. Swung to ebb at 2. Banked fires under two boilers. Distilling.

(Signed) Richard G. Davenport
Lieut.

From 4 to 8 A.M. Overcast. Calm. Pleasant. Riding to ebb during watch. Banked fires under two boilers. Average steam pressure 30 lbs. Temp of bunkers 72°. Distilling.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Merid. Clear and pleasant. Calm. Swung to flood tide at 9.30. Engaged in painting inside and shellacing blocks. Touched up spots outside. Fires banked under two boilers. Steam pressure 40 lbs. Temp of bunkers 74°.

(Signed) Sam. C. Lemly
Ensign.

From Merid. to 4 P.M. Clear and pleasant. Light S breeze. Swung to ebb at 2.20. Engaged in painting and shellacing. Steam pressure 20 lbs. Banked fires under two boilers.

(Signed) J. T. Sullivan
Lieut.

From 4 to 8 P.M. Clear and pleasant during first part, afterwards partially overcast. Light breeze from S and E. Ship swung to the ebb. Fires banked under two boilers. Average steam 20 lbs. Bunkers full.

(Signed) J. K. Cogswell
Lieut.

From 8 to Midnight. Cloudy. Cold. Damp. Light N.E. breeze. Cum nimb clouds. Slack water at 8.50. Swung to flood at 9.30. banked fires under two boilers. Average steam pressure 20 lbs. Temp of bunkers 70°.

(Signed) Richard G. Davenport
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Hampton Roads Va

Hour.	Knots.	Fathoms.	WINDS.		BAROMETER.		TEMPERATURE.		State of the Weather by symbols.	Forms of Clouds, by symbols.	Prog. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.			
A.M.													
1			NE	3		30.35	49	45	46	oq	Cum Nimb	0	
2			"	2		"	"	44	45	bc	"	6	
3			NNE	5-7		30.36	48	43	43	bcq	"	2	
4			"	5		30.40	"	42	"	oq	"	0	
5			NE by N	2-5		"	46	43	44	"	Cum Str	"	
6			NNE	2-4		30.42	45	"	"	"	"	"	
7			"	3		"	"	"	"	"	"	"	
8			"	"		30.47	"	"	"	bcq	"	4	
9			"	"		30.50	46	44	45	bc	"	7	
10			"	4		"	48	45	46	"	"	8	
11			"	"		"	"	46	47	"	"	"	
Noon			NE	"		"	49	45	46	"	"	9	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	' "
Longitude by D. R. at Noon	°	' "
Latitude by Observations at Noon ⊕	°	' "
Longitude by Chronometer from Forenoon Observations ⊕	°	' "
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ⊕ observed at Sunrise	°	" "
Variation of the Compass by Azimuth ⊕ observed at	°	" "
Water expended during the preceding 24 hours		225 gallons
Water during the preceding 24 hours		"
Water remaining on hand fit for me at Noon		2190 "
Coal consumed during the preceding 24 hours	1 tons	940 lbs.
Coal remaining on hand at Noon	136 "	360 "

P.M.													
1			NE	3		30.46	49	45	46	bc	Cir Cum	7	
2			"	"		30.44	"	"	"	"	"	"	
3			"	2		"	"	"	"	"	"	6	
4			"	"		30.43	"	"	"	"	"	2	
5			E	"		30.44	50	44	44	"	Cum Nimb	3	
6			"	"		30.43	"	43	43	"	"	"	
7			"	"		"	"	"	"	"	"	"	
8			"	"		"	"	"	"	"	"	1	
9			"	3		"	48	48	43	"	"	"	
10			"	1-2		"	49	44	44	o	"	0	
11			"	"		"	48	43	"	oh	Nimb	"	
Mid.			"	1		"	"	"	"	or	"	"	

Longitude by Chronometer from Afternoon Observations ⊕	°	' "
Longitude by Chronometer Observations]	°	' "
Variation of the Compass by Amplitude observed at Sunset	°	' "
Variation of the Compass by at	°	' "

under the command of Commander W. Scott Schley
Sunday February 4th, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast, cool. Fresh breeze from N and E. Squally. Slack water at 2.45. Riding between wind and ebb tide during latter part.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 A.M. Overcast, with squalls from N.E. Clearing up last hour. New York steamer came in and passed up to Norfolk. Riding to ebb tide. Fires banked under two boilers. Steam 20 lbs. Temp of bunkers 71°.

(Signed) Sam. C. Lemly
Ensign.

From 8 to Merid. Clear and pleasant. Fresh breeze from N and E. At 9.45 Commanding Officer inspected crew at quarters. At 10 Executive Officer read articles for the better government of the Navy, immediately afterwards Commanding Officer held divine service. Had general muster. J. Hallisey (2 C.B.) and Robert McGuckin (2 C.B.) deserted from boat. Swung to flood at 10.20. Richard Beale (Mach) released from confinement by order of Commanding Officer. Banked fires under two boilers. Average pressure 20 lbs. Temp of bunkers 72°.

(Signed) J. T. Sullivan
Lieut.

From Merid. to 4 P.M. Clear. Pleasant. Light N.E. breeze. Slack water at 2.45. At 3.45 Midshipman Hannum and Corpl Jones returned from an unsuccessful search for deserters. Banked fires under two boilers. Average steam pressure 25 lbs. Temp of bunkers 70°.

(Signed) J. K. Cogswell
Lieut.

From 4 to 8 P.M. Cloudy and cool during entire watch. Light breeze from E. Ship swung to ebb at 4. Fires banked under two boilers. Average steam pressure 25 lbs. Temp of bunkers 70°.

(Signed) Richard G. Davenport
Lieut.

From 8 to Midnight. Overcast and cool with light breeze from E. Slack water at 9.45. Swung to flood at 10.30. Occasional showers of rain during latter part. Banked fires under two boilers. Average steam pressure 30 lbs. Temp of bunkers 70°. Distilling.

(Signed) Wainwright Kellogg
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Hampton Roads Va

Hour.	Knots.	Fathoms.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prog. of Clear Sky, in 10ths.	State of the Sea.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.		
A.M.													
1				NNE	2		30.40	49	44	44	oc	Nimb	0
2				"	3		30.36	47	48	43	fc	Cum Nimb	3
3				"	2		"	"	"	42	bcq	"	1
4				"	"		30.34	"	"	"	or	Nimb	0
5				"	3		30.30	46	43	44	"	"	"
6				"	"		"	45	"	"	"	"	"
7				"	2		"	46	44	45	"	"	"
8				"	"		30.28	"	43	44	"	Cum Nimb	"
9				"	"		30.24	"	45	45	"	"	"
10				"	"		"	47	46	46	"	"	"
11				NE	"		30.22	48	"	"	"	"	"
Noon				"	"		"	50	49	49	"	"	"

Record of the sail the vessel is under at end of watch.

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	o	i "
Longitude by D. R. at Noon	o	i "
Latitude by Observations at Noon ⊕	o	i "
Longitude by Chronometer from Forenoon Observations ⊕	o	i "
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ⊕ observed at Sunrise	o	" "
Variation of the Compass by Azimuth ⊕ observed at	o	" "
Water expended during the preceding 24 hours		225 gallons
Water Condensing during the preceding 24 hours		475 "
Water remaining on hand fit for me at Noon		2190 "
Coal consumed during the preceding 24 hours	1 tons	660 lbs.
Coal remaining on hand at Noon	134 "	1840 "

P.M.													
1				N	2		30.18	51	47	48	or	Nimb	0
2				"	"		30.15	"	"	"	"	"	"
3				"	"		"	"	"	"	ofr	"	"
4				"	"		"	"	46	46	"	"	"
5				"	"		30.16	50	47	47	om	"	"
6				"	"		"	51	"	"	o	"	"
7				"	1		30.18	52	"	48	"	"	"
8				"	0-1		30.17	"	48	"	"	"	"
9				Calm	0		30.16	51	46	46	bc	"	1
10				"	"		"	"	"	"	"	"	2
11				"	"		"	"	47	47	om	"	0
Mid.				"	"		"	"	"	"	"	"	"

Longitude by Chronometer from Afternoon Observations ⊕	o	i "	"
Longitude by Chronometer Observations]	o	i "	"
Variation of the Compass by Amplitude observed at Sunset	o	i "	"
Variation of the Compass by at	o	i "	"

under the command of Commander W. Scott Schley
Monday February 5th, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy and rainy greater part of watch. Moderate breeze from N.N.E. Slack water at 11.30. Fires banked in two boilers. Steam 30 lbs. Temp of bunkers 69° Distiller in operation.

(Signed) Sam. C. Lemly
Ensign

From 4 to 8 A.M. Overcast, rainy and cool. Light N.N.E. breeze. Swung to ebb at 5.45. Banked fires under two boilers. Average steam pressure 30 lbs. Temp of bunkers 70°. Distilling.

(Signed) J. T. Sullivan

From 8 to Merid. Overcast and rainy during entire watch. Light breeze from N and E. Slack water at 10.45. Ship swung to flood at 11.20. Fires banked under two boilers. Average steam pressure 30 lbs. Temp of bunkers 70. Distiller in operation.

(Signed) J. K. Cogswell
Lieut.

From Merid. to 4 P.M. Overcast. Rainy. Cool. Light N[orther]ly breeze. Foggy latter part of watch. Slack water at 3.30. Swung to ebb at 4. Banked fires under two boilers. Average steam pressure 27 lbs. Temp of bunkers 70°. Distilling.

(Signed) Richard G. Davenport
Lieut.

From 4 to 8 P.M. Overcast, cool light breeze from N. Riding to ebb tide. Fires banked under two boilers. Average steam pressure 20 lbs. Temp of bunkers 72°. Distilling.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Midnight. Overcast but pleasant. Calm. Slack water at 9.30. Swung to flood at 11.45. Fires banked under two boilers. Steam 30 lbs. Temp of bunkers 73°. Distilling.

(Signed) Sam. C. Lemly
Ensign.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns,
Hampton Roads Va

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
				Direction.	Force.		Height in inches.	Ther. air'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A.M.															
1				NW	2		30.14	52	47	47		omc	Nimb	0	
2				"	1	"		51	"	"		"	"	"	
3				W	2	"		50	"	"		"	"	"	
4				WSW	3	"		49	45	46		of	"	"	
5				SSW	2		30.16	48	44	44		"	"	"	
6				"	"		30.18	47	43	43		"	"	"	
7				W	"		30.23	46	44	44		"	"	"	
8				"	"		30.24	47	"	"		"	"	"	
9				Calm	0		30.26	"	45	45		"	"	"	
10				N	2		30.24	49	47	47		bc	Cir Cum	4	
11				"	"		30.28	50	"	"		"	Cir	9	
Noon				"	"		30.27	51	46	46		"	"	"	

Record of the sail the vessel is
under at end of watch.

Distance run by Log since preceding Noon	knots		fathoms.	
Latitude by D. R. at Noon	°	'	"	
Longitude by D. R. at Noon	°	'	"	
Latitude by Observations at Noon ☉	°	'	"	
Longitude by Chronometer from Forenoon Observations ☉	°	'	"	
Current during the time	knots		fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"	
Variation of the Compass by Azimuth ☉ observed at	°	"	"	
Water expended during the preceding 24 hours				225 gallons
Water Condensed during the preceding 24 hours				730 "
Water remaining on hand fit for me at Noon				2700 "
Coal consumed during the preceding 24 hours	1	tons	1360	lbs.
Coal remaining on hand at Noon	133	"	580	"

P.M.									
1	NE by E	2	30.26	50	46	46	bc	Cir Cum	9
2	NE	"	30.25	"	"	"	"	Cum	"
3	"	1-2	"	"	"	"	"	"	"
4	ENE	"	"	"	45	45	b	None	10
5	NNE	2	30.24	48	47	46	bc	Cum Str	9
6	"	1	"	"	"	"	"	"	8
7	E	0-1	"	50	48	47	"	Cum	9
8	SE	"	"	51	49	48	"	"	"
9	"	"	30.28	"	48	"	b	None	10
10	Calm	0	"	50	47	47	"	"	"
11	SW	0-1	"	49	46	46	"	"	"
Mid.	"	"	"	48	44	44	"	"	"

Longitude by Chronometer from Afternoon Observations \oplus	0	'	"
Longitude by Chronometer Observations]	0	'	"
Variation of the Compass by Amplitude observed at Sunset	0	'	"
Variation of the Compass by at	0	'	"

under the command of Commander W. Scott Schley
Tuesday February 6th, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast, foggy, cool and disagreeable. Light airs from W. Riding to flood. Banked fires under two boilers. Average steam pressure 30 lbs. Temp of bunkers 70°. Distiller in operation.

(Signed) J. T. Sullivan
Lieut.

From 4 to 8 A.M. Overcast and foggy during entire watch. Light breeze from S and W, shifting to W. Ship riding to ebb. Fires banked under two boilers. Average steam pressure 30 lbs. Temp of bunkers 72°. Distiller in operation. At 6.30 the garrison belonging to Fortress Monroe arrived from Washington. A salute of 13 guns was fired from the fort.

(Signed) J. K. Cogswell
Lieut.

From 8 to Merid. Overcast. Foggy. Light N[ortherly] breeze. Inspected at quarters at 9.30. Broke out light sails. Broke and bent mainsail and fore topmast staysail. Riding to ebb. Clear and pleasant latter part of watch. Banked fires under two boilers. Average steam pressure 30 lbs. Temp of bunkers 73°.

(Signed) Richard G. Davenport
Lieut.

From Merid. to 4 P.M. Clear and pleasant. Light breeze from N and S. Slack water at 12.15. Swung to flood at 1. Bent light sails, flying jib and mizzen gaff topsail. Bent tacks and sheets. At 3.30 furled sail. Fires banked under two boilers. Average steam pressure 35 lbs. Temp of bunkers 72°.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 P.M. Clear and pleasant, light variable airs. Slack water at 4.40. Swung to ebb at 5. Engaged preparing ship for sea. Hoisted smoke pipe. Fires banked under two boilers. Steam pressure 20 lbs. Temp of bunkers 71°.

(Signed) Sam. C. Lemly
Ensign.

From 8 to Midnight. Clear and cool. Bright starlight. Light variable airs. Riding to ebb tide. Average steam 20 lbs. Temp of bunkers 70°.

(Signed) J. T. Sullivan
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

Record of the sail the vessel is
under at end of watch.

Hour.		WINDS.				BAROMETER.		TEMPERATURE.			State of the Weather by symbol s.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	
		Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.					Air Wet Bulb.	Water at surface.
A.M.															
1				S	2		30.32	47	40	40		bc	Cir	7	
2				"	"		"	"	"	"		"	"	"	
3				S by W	"		30.30	"	"	"		"	"	8	
4				"	"		30.25	"	"	"		"	"	"	
5				SW	3		30.22	44 9	44	44		"	Cir Cum	"	
6				"	"		30.20	48	"	"		"	Cir Str	6	
7				SSW	2		30.18	"	"	43		"	"	"	
8				"	3		"	"	43	44		"	"	4	
9				SW	"		30.46	50	47	46		"	Cir Cum	7	
10				"	"		"	52	50	49		"	"	8	
11				"	2		"	"	"	"		"	"	7	
Noon				SSW	1		30.14	55	53	52		"	"	"	
Distance run by Log since preceding Noon											knots		fathoms.		
Latitude by D. R. at Noon											°		'		"
Longitude by D. R. at Noon											°		'		"
Latitude by Observations at Noon ⊕											°		'		"
Longitude by Chronometer from Forenoon Observations ⊕											°		'		"
Current during the time											knots		fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊕ observed at Sunrise											°		"		"
Variation of the Compass by Azimuth ⊕ observed at											°		"		"
Water expended during the preceding 24 hours															225 gallons
Water during the preceding 24 hours															"
Water remaining on hand fit for me at Noon															2190 "
Coal consumed during the preceding 24 hours											13		tons	780	lbs.
Coal remaining on hand at Noon											119		"	2040	"
P. M.															
1	Underway			SW by W	1		30.10	57	56	54		bc	Cir Cum	1	
2	under direction			S	2		30.06	58	55	"		"	"	"	
3	of Pilot			SW	1		30.05	57	53	52		oc	"	0	
4	7	4	SE	S	3		"	56	"	"		fc	"	2	
5	8 1	6 4	SE S by E, 3/4 E	"	2		30.06	"	52	51		bcm	Cum	3	
6	10		"	"	"		30.07	50	"	"		"	"	4	
7	"		"	"	"		30.08	54	51	50		"	"	3	
8	10	2	"	"	"		30.10	53	52	51		"	"	"	
9	9	6	S by E 3/4 E	"	"		"	54	50	50		"	"	"	
10	9	6	"	"	"		"	53	"	"		"	"	2	
11	4 4	6 6	S by e 3/4 E S 1/2 E	"	"		"	"	"	"		"	"	"	
Mi d.	10	6	S 1/2 E	"	"		"	"	"	"		"	"	1	
Longitude by Chronometer from Afternoon Observations ⊕											°		'		"
Longitude by Chronometer Observations											°		'		"
Variation of the Compass by Amplitude											°		'		"
Variation of the Compass by											°		'		"

under the command of Commander W. Scott Schley
Wednesday February 7th, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear. Cool. Pleasant. Starlight. Light S[outher]ly breeze. Swung to flood at 12.40. At 3.15 moon rose. Banked fires under two boilers. Temp of bunkers 70°. Average steam pressure 30 lbs.

(Signed) Richard G. Davenport
Lieut.

From 4 to 8 A.M. Commenced clear and cool. Moderate breeze from S and W. Slack water at 4.30. Swung to ebb at 6. Secured boats for sea. Lighted fires under 8 main boilers at 6.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Merid. Clear and pleasant. Moderate breeze from S.W. falling light latter part. Engaged preparing ship for sea. At 11 brought to on port chain and hove up port anchor, foul at 30 fathoms chain. Received from Norfolk Navy yard, per "Pinta", in Equipment Department, one anchor weighing 3754 lbs, and in Navigator Department, 47 galls lard oil. Struck starboard anchor below and bent starboard chain to the anchor received. By order of commanding Officer, Midshipman P. Henderson was suspended from duty for smoking when on duty in boat. Ships draught, forward 14 ft 3 in, amidships 14 ft 2 in, Aft 16 ft. Fire in all boilers. Steam 76 lbs. Temp of bunkers 76°.

(Signed) Sam. C. Lemly
Ensign.

From Merid. to 4 P.M. Clear and pleasant. Light breeze from S and W. Cleared port bower anchor and secured both anchors for sea. Unbent port chain. At 2.40 sighted U.S.S. "Swatara" bound for Norfolk and exchanged numbers. Pilot left at 3. At 3.15 took departure, Cape Henry bearing W, distant two miles. Several sail in sight. Land on starboard quarter. Fires in all boilers. Average steam 70 lbs. Temp of bunkers 90°. Average revolutions 60-9. At 3.45 set jib and flying jib.

(Signed) J. K. Cogswell
Lieut.

From 4 to 8 P.M. Clear overhead, hazy around horizon. Light S[outher]ly breeze. At 4.45 changed course to S. By E. 3/4 E. and took in jib and flying jib. Sighted Currituck Light at 6 o'clock bearing S.W. At 7.15 sighted Body Island Light bearing S.W. by S. Average steam 70 lbs. Revolutions 58. Temp of bunkers 120°.

(Signed) J. T. Sullivan
Lieut.

From 8 to Midnight. Weather cloudy and hazy. Light S[outher]ly breeze. Sea smooth. At 8.30 got a cast with the lead in 15 fathoms water. At 10.30 Body Island Light bore (pc) W, altered course to S 1/2 E. and hove the lead, 13 fathoms water. At 11.15 sighted Hatteras Light bearing (pc) S.S.W. 1/2 W. Steam pressure 70 lbs. Revolutions 58. Temp of bunkers 100°. At end of watch Hatteras Light bore S.S.W. 3/4 W. (pc) Body Island Light bore N.W. 3/4 W.

(Signed) J. K. Cogswell
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, At Sea

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	10	6	S 1/2 E	NNE	1		30.08	53	50	50	44	bcm	Cum	4	S	Steaming 8
2	9		"	NE	4		30.07	54	52	52	69	"	"	2	"	boilers. Foresail.
3	5 2	4 6	" S 1/4 W SW 1/4 W	"	6		30.00	59	59	59	74	"	"	0	"	
4	10		"	"	5		29.98	"	"	"	70	"	"	1	"	
5	11		"	NNE	3		30.00	58	58	58	69	bc	Cum Str	6	"	Steaming 8 boilers
6	11		"	"	"		30.02	59	59	"	64	"	"	5	"	Foresail. Topsails
7	12	2	"	"	4		30.03	60	"	59	"	om	Cum Nimb	0	"	Topgallants sails
8	12		"	NNE	"		30.04	"	58	58	"	"	"	"	"	& jib.
9	1 8		" sw by w	N by E	"		"	59	59	59	69	"	"	"	"	Foresail, topsails.
10	12		"	NNE	"		"	60	59	"	57	bcm	"	3	m	Top gallant sails
11	5 6	4	" sw by w 1/2 w	"	5		30.05	"	"	"	74	"	"	5	"	Fore royal &
No on.	13	6	"	"	"		30.04	"	57	57	70	"	"	7	"	jib.
Distance run by Log since preceding Noon									217	knots	4 fathoms.					
Latitude by D. R. at Noon									34	°	0	'	30	"	N	
Longitude by D. R. at Noon									76	°	51	'	"	W		
Latitude by Observations at Noon ⊕									33	°	57	'	30	"	N	
Longitude by Chronometer from Forenoon Observations ⊕									76	°	42	'	"	W		
Current during the time									knots	3	fms. per hour, setting to the	S 71° E.				
Variation of the Compass by Amplitude ⊕ observed at Sunrise												°	"	"		
Variation of the Compass by Azimuth ⊕ observed at												°	"	"		
Water expended during the preceding 24 hours														224	gallons	
Water during the preceding 24 hours														"		
Water remaining on hand fit for me at Noon														2190	"	
Coal consumed during the preceding 24 hours									10	tons	1950	lbs.				
Coal remaining on hand at Noon									109	"	90	"				
P. M.																
1	3 5	6	Sw by w 1/2 w Sw by w 3/4 w	NNE	5		30.04	59	56	56	70	bcm	Cum Nimb	7	M	Foresail, topsails,
2	10		Sw by w 1/4 w	"	"		"	58	"	"	68	"	"	1	"	Topgallant sail.
3	10		"	"	4		30.05	"	"	"	71	bc	Cir Cum	"	"	jib and royals.
4	8	6	"	"	"		30.06	"	57	"	65	"	"	"	f	
5	9	2	Sw by w	"	"		"	"	"	"	64	"	"	1	"	Foresail, topsails, royals
6	9		sw by w 1/4 w	"	"		30.08	60	"	"	66	o	Cum Nimb	O	"	and topgallant sails.
7	9		"	N	"		30.06	"	"	"	69	bc	Cir Cum	5	"	Single reefed topsails
8	8	4	"	"	"		"	"	58	"	"	"	"	"	M	
9	8		sw 1/2 w	"	"		"	"	57	57	68	"	"	6	"	
10	7		"	"	"		"	"	"	"	"	"	"	5	S	Single reefed topsails
11	7		"	"	"		"	"	"	"	"	"	"	"	"	Topgallant sails
Mi d.	7	2	"	"	5		"	"	"	"	"	"	"	6	"	Foretopmast staysail.
Longitude by Chronometer from Afternoon Observations ⊕												°	'	"		
Longitude by Chronometer Observations]			°	'	"		
Variation of the Compass by Amplitude									observed at Sunset			°	'	"		
Variation of the Compass by									at			°	'	"		

under the command of Commander W. Scott Schley
Thursday February 8th, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast. Warm. Misty. Fresh N.E. wind. Cum clouds. At 12.50 made Cape Hatteras Beacon bearing (pc) S.W. by W. At 1.10 lost sight of Body Island Light bearing (pc) N.N.W. At 1.30 Cape Hatteras Light bore (pc) W. Stopped engine and got cast of lead in 17 1/2 fathoms, sandy bottom. At 1.45 started ahead. At 2 entered outer edge of Gulf Stream. At 2.30 stopped and got two casts, no bottom at 50 fathoms. At 2.45 started ahead and changed course to S and W. At 3 changed course to S.W. 1/2 W and set Foresail. At 2.30 lost sight of Cape Hatteras Light bearing (pc) W.N.W. Steaming with eight boilers. Average steam pressure 60 lbs. Revolutions 59. Temp of bunkers 108°.

(Signed) Richard G. Davenport
Lieut.

From 4 to 8 A.M. Overcast. Misty. Warm. Fresh breeze from N.N.E. At 6 crossed topgallant and royal yards. Made sail to topgallant sails, hoisted jib. Steaming with 8 boilers. Average steam pressure 68 lbs. Temp of bunkers 120° Revolutions 55.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Merid. Stopped engine, luffed to and got cast of deep sea lead at 8.05, no bottom at 50 fathoms. Stood on course at 8.20. Cloudy with mist around horizon, clearing up last hour. At 10.22 stopped engine, let fires die out in two boilers and banked fires in six. At 10.25 changed course to S.W. by W. 1/2 W. AT 10.45 disconnected propeller. Several sail in sight. Exchanged colors with an American barque standing to E. At 10.35 set fore royal. Steam 50 lbs. Revolutions 55. Temp of bunkers 110°. Distilling.

(Signed) Sam. C. Lemly
Ensign.

From Merid. to 4 P.M. Clear and pleasant. Fresh N.N.E. breeze. At 2.30 brought by the wind and got cast of lead in 23 fathoms, white sand. Filled away at 12.45. Changed course to S.W. by W. 1/4 W. at 12.25. Put over patent log at 12.45. Set royal at 1.20. Banked fires in six boilers. Average pressure 25 lbs. Temp of bunkers 100°.

(Signed) J. T. Sullivan
Lieut.

From 4 to 8 P.M. Cloudy and pleasant. Fresh N[ortherly] breeze. Moderate sea setting to S. At 5.15 mustered at quarters. At 5.30 took over reef in the topsails and sent down royal yards. At 6 sighted Frying Pan Shoals light bearing N.N.W. not visible from deck. Gave Wm. H. Johnson (W.O.C.) extra duty for 4 hours, from 12 to 4 A.M. for three nights, by order of Commanding Officer, for insolence to sentry. Steam pressure 25 lbs. Temp of bunkers 100°. Distiller in operation. At 8 hauled in patent log. Registered 63 miles. Reset it.

(Signed) J. K. Cogswell, Lieut.

From 8 to Midnight. Cloudy. Cool. Pleasant. Moderate N[ortherly] breeze. Smooth sea. Ship rolling easily. At 8 changed course to S.W. 1/2 W. Banked fires under six boilers. Distilling. Average steam pressure 20 lbs. Temp of bunkers 76°.

(Signed) Richard G. Davenport
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, At Sea

Hour.	WINDS.					BAROMETER.		TEMPERATURE.				State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.					
	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. alt'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.										
A.M.																					
1	7	2	SW 1/2 w	NE	6		30.06	59	58	58	66	o	Cum Nimb	0	S	Single reefed topsails					
2	7		"	N	"		"	"	57	57	63	od	"	"	"	Topgallant sails fore					
3	8		"	"	"		"	"	"	"	62	bc	"	1	"	sail, foretopmast stay-					
4	8		"	"	"		30.04	58	"	56	65	"	"	"	"	sail.					
5	7	4	"	N by E	5		"	"	"	"	68	"	"	"	"	Topsails, topgallant					
6	7		"	"	"		"	57	"	57	70	"	"	0	"	sails, foresail and					
7	7	4	"	NNE	"		"	"	"	"	69	oc	Cum Str	"	"	foretopmast staysail.					
8	7	4	"	n by e 1/2 e	"		30.06	"	"	"	70	"	"	1	"						
9	8		"	NNE	"		"	58	58	58	69	bc	Cir Cum	3	"	Topsails Topgallant					
10	3 3	6 6	sw 1/2 s	"	"		"	59	"	"	70	"	"	"	"	sails, foresail, fore					
11	8		"	"	"		"	"	59	59	"	"	"	"	"	topmast staysail.					
Noon.	8		"	"	"		"	60	60	60	69	"	"	"	"						
Distance run by Log since preceding Noon											139 knots		6 fathoms.								
Latitude by D. R. at Noon											31	°	53	'	"	N					
Longitude by D. R. at Noon											79	°	38	'	"	W					
Latitude by Observations at Noon ⊕											31	°	45	'	30	"	N				
Longitude by Chronometer from Forenoon Observations ⊕											80	°	02	'	30	"	W				
Current during the time					knots	6	fms. per hour, setting to the					S 69° W.									
Variation of the Compass by Amplitude ⊕ observed at Sunrise												°	"	"	"	"					
Variation of the Compass by Azimuth ⊕ observed at												°	"	"	"	"					
Water expended during the preceding 24 hours											225 gallons										
Water					Condensed	during the preceding 24 hours					225 "										
Water remaining on hand fit for me at Noon											630 "										
Coal consumed during the preceding 24 hours											7	tons	1765	lbs.							
Coal remaining on hand at Noon											101	"	575	"							
PM																					
1	3 3	4	sw 1/2 s s 1/2 w	N by E	4		30.03	62	61	61	67	bc	Cir Cum	4	s						
2	6	6	"	"	"		30.02	"	62	62	"	"	"	"	"						
3	6	2	"	"	5		30.01	64	64	63	"	"	"	7	"						
4	6		"	"	"		29.99	"	63	62	68	"	"	9	"						
5	6	4	"	"	"		30.00	63	62	"	69	"	Nimb	1	"	Under single reefed					
6	6		"	"	"		30.02	"	"	"	68	"	Cum Nimb	7	"	topsails, topgallant					
7	6	4	"	"	"		30.03	"	"	"	70	bcl	Cum Str	9	"	sails, foresail and					
8	6		"	"	"		30.04	62	"	"	72	"	Cum Nimb	8	"	foretopmast staysail.					
9	5	4	"	"	"		"	"	"	"	"	"	"	"	"						
10	1 5	6	S 1/2 E	NNE	"		30.06	64	64	"	"	"	"	"	"	Foresail, single reefed					
11	10		"	NE by N	"		"	63	63	"	74	"	"	"	"	topsails, topgallant					
Mid.	11		"	"	"		"	64	64	"	"	bc	"	7	"	Sails. Foretopmast staysails & steam 6 boilers					
Longitude by Chronometer from Afternoon Observations ⊕												°	'	"	"	"					
Longitude by Chronometer Observations]			°	'	"	"				
Variation of the Compass by Amplitude											observed at Sunset							°	'	"	"
Variation of the Compass by											at							°	'	"	"

under the command of Commander W. Scott Schley
Friday February 9th, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

[Editor's Note: The following is a separate note attached to the logbook page of February 9, 1877.]

The following named 2nd C. Boys, will be rated 1st C. Boys from February 9th (inclusive) for good conduct. By order of Commanding Officer, Viz.

W. W. Sheldon	W. J. Hasion
F. W. L. Gray	J. F. Parllow
Harry Hill	Patrick Pench
D. W. Helleu	W. F. McCann
Francis Shields	Bailey Leavey
Ed. Morau	Wm. White
Fred Wolfinger	P. H. Erasmous
J. C. Gable	Robert Laudon

under the command of Commander W. Scott Schley
Friday February 9th, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast, warm. Fresh breeze from N. Barometer steady. Fires banked in six boilers. Average steam pressure 30 lbs. Temp of bunkers 76°. Distilling.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 A.M. Overcast but pleasant, fresh breeze from N. and E, barometer steady. At 7.20 shook reefs out of topsails. Sea smooth. Fires banked in six boilers. Steam 30 lbs. Temp of bunkers 100°. Stopped distilling at 6. At end of watch patent log indicated 85 1/2 knots. Reset and put it over again.

(Signed) Sam. C. Lemly
Ensign.

From 8 to Merid. Clear and pleasant. Fresh N.N.E. breeze. At 8.40 crossed royal yards and bent gear. At 8.50 set royals. At 9.30 changed course to S.W. 1/2 S. Barometer steady. Fires banked in six boilers. Average pressure 30 lbs. Temp of bunkers 72°. Inspected crew at quarters at 9.30. Oiled hide rope. Lost a fire bucket overboard from Foretop.

(Signed) J. T. Sullivan
Lieut.

From Merid. to 4 P.M. Weather warm and pleasant. Moderate breeze from N. Sea moderate, well setting to the S and W. At 12.30 got a cast with the lead in 20 fathoms, fine gray sand. At 12.40 changed course to S. 1/2 W. Ship rolling easily maximum 17°. Steam pressure 30 lbs. Temp of bunkers 95°. Released Thos Murphy (I.C.A.) from confinement and made him a prisoner at large, by order of Commanding Officer.

(Signed) J. K. Cogswell
Lieut.

From 4 to 8 P.M. Weather clear, warm. Light N. by E. breeze, sea smooth. At 5.10 took in and furled royals, took one reef in topsails, sent down royal yards. At 7.45 got a cast of deep sea lead in 25 fathoms water. Lightening to N. and E. Fires banked in six boilers. Average steam pressure 30 lbs. Temp of bunkers 100°.

(Signed) Richard G. Davenport
Lieut.

From 8 to Midnight. Clear and pleasant. Fresh breeze from N and E. At 9.45 changed course to S 1/2 E. Coupled on propeller and started engine. Under steam and sail. Lightening to N and E. Steam pressure 60 lbs. Temp of bunkers 84°. Average revolutions 50.

(Signed) Wainwright Kellogg
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, At Sea

Hour.	WINDS.					BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in time.	State of the Sea.	Record of the sail the vessel is under at end of watch.		
	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. atfd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.	
A.M																	
1	10	4	S 1/2 E	NNE	2		30.03	65	64	64	74	bcl	Cir bum	9	S	Foresail, topgallant sails,	
2	10		"	"	"		30.00	"	65	"	75	"	"	"	"	single reefed	
3	10	2	"	N by E	"		29.98	"	"	65	"	bc	"	8	"	topsails & foretopmast	
4	10		"	"	"		29.98	"	66	"	"	"	"	"	"	staysail.	
5	10	4	"	N by W	3		29.97	66	"	"	76	"	"	9	"		
6	10	2	"	WNW	"		"	"	"	"	"	"	"	"	"		
7	10		"	"	"		30.00	"	"	"	"	"	"	8	"		
8	10		"	W by N	"		30.01	"	"	"	"	"	"	"	"	Single reefed top	
9	10		S	W	"		30.03	68	68	66	77	"	"	9	"	sails, topgallant	
10	10		"	"	"		30.04	"	"	65	74	"	Cum	"	"	sails, foresail, fore	
11	10		"	"	5-7		"	"	67	64	73	bcq	Cum Nimb	2	"	topmast staysail	
Noon.	9	4	"	NW	4		"	"	"	"	72	bc	Cir Str	5	"	& Maintop sails.	
Distance run by Log since preceding Noon											119 knots		0 fathoms.				
Latitude by D. R. at Noon											28 °	28 '	36 "	N			
Longitude by D. R. at Noon											80 °	9 '	30 "	W			
Latitude by Observations at Noon ☉											28 °	51 '	36 "	N			
Longitude by Chronometer from Forenoon Observations ☉											80 °	11 '		W			
Current during the time 1 knots 0 fms. per hour, setting to the N																	
Variation of the Compass by Amplitude ☉ observed at Sunrise											°	"		"			
Variation of the Compass by Azimuth ☉ observed at											°	"		"			
Water expended during the preceding 24 hours														225 gallons			
Water during the preceding 24 hours														"			
Water remaining on hand fit for me at Noon														2190 "			
Coal consumed during the preceding 24 hours											16	tons	320	lbs.			
Coal remaining on hand at Noon											85	"	255	"			
PM																	
1	10	2	S	WNW	5		30.00	65	65	64	71	bc	Cir Str	8	S	Foresail T. G. sails,	
2	11	2	"	NW	5-6		"	66	"	"	70	"	"	9	"	Single reefed topsails.	
3	11		"	"	"		"	"	64	"	"	"	"	"	"	Foretopmast staysail.	
4	10	4	"	"	"		"	65	65	"	69	"	"	"	"		
5	9		S 3/4 E	NNW	6-7		30.04		63	62	67	bcq	"	5	"	Foresail, T. G. sails,	
6	9		"	"	3		"	64	64	63	"	bc	"	"	"	Single reefed topsails,	
7	9	4	"	N 3/4 W	"		30.05	"	"	64	"	"	Cum Nimb	4	"	Foretopmast staysail.	
8	9		"	"	"		30.02	"	"	"	"	"	"	8	"		
9	7 6 4	0 s 3/4 e s by e 1/4 e	"	N by W	4		29.97	"	"	"	70	bcl	Cum	8	"		
10	6 3 4	0 s 3/4 e s 3/4 e	"	NNW	5		30.08	"	63	63	"	"	"	9	"	Single reefed topsail	
11	6 3 4	0 s 3/4 e s 1/4 e	"	"	5-6		30.09	"	"	62	69	bcq	Cum Nimb	6	"	and foresail.	
Mid.	5 5	0 s by e s by e 1/4 e	"	"	3		"	"	"	"	"	b	---	10	"		
Longitude by Chronometer from Afternoon Observations ☉												°	'	"			
Longitude by Chronometer Observations]												°	'	"			
Variation of the Compass by Amplitude observed at Sunset												°	'	"			
Variation of the Compass by at												°	'	"			

under the command of Commander W. Scott Schley
Saturday February 10th, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant, but heavy bank of clouds to E, with occasional lightening first two hours. Barometer falling slowly. Light breeze from N.N.E. veering to N. Steaming three fourths power, steam pressure 55 lbs, revolutions 51, temp of bunkers 105°. By order of Commanding Officer, gave W. H. Johnson (W.O.C.) Richard Jones (W.R.C.) and John Millsmore (Boy) four hours extra duty.

(Signed) Sam. C. Lemly
Ensign.

From 4 to 8 A.M. Clear. Warm. Light breeze from N and W. Lightening in W during first part of watch. Bank cir cum clouds in E. Steaming under six boilers. At 6 A.M. set main trysail. Steam pressure 66 lbs. Temp of bunkers 115°. Revolutions 53.

(Signed) J. T. Sullivan
Lieut.

From 8 to Merid. Weather clear and pleasant. Moderate breeze from N and W. At 8.05 changed course to S. At 11 took in topgallant sails to a squall, reset them at 11.15. At 11.25 stopped the engine to cool a journal. At 10 set jib and spanker. Sea smooth. Steam pressure 68 lbs. Temp of bunkers 90°. Revolutions 52°.

(Signed) J. K. Cogswell
Lieut.

From Merid. to 4 P.M. Clear. Warm. Pleasant. Fresh N.W. breeze. At 3.30 hove to and got soundings in 23 fathoms, bottom shell and coral. Steam in six boilers. Average steam pressure 66 lbs. Temp of bunkers 100°. Revolutions 53. At 3.30 braced in, hauled down jib and took in main trysail and spanker.

(Signed) Richard G. Davenport
Lieut.

From 4 to 8 P.M. Clear and pleasant, except rain squalls at 5.30. Fresh breeze from N. At 4 hove to and got soundings 19 fathoms, bottom sand and shells. At 5.30 took in and furled topgallant sails. At 6 got soundings 14 fathoms, bottom sand and shells. At 7.30 hauled down foretopmast staysail. At 7.50 got soundings 13 fathoms, bottom gray sand. Steam in six boilers. Average pressure 57 lbs. Temp of bunkers 100°. Revolutions 50. Distilling.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Midnight. Clear and pleasant, with N. W[ester]ly Wind fresh in squalls third hour. At 9.05 made Jupiter Fulet Light Light (pc) S. 1/2 E. Changed course frequently during watch, running by light. Got cast of the lead every hour, in from 12 to 15 fathoms water. At end of watch Jupiter Fulet Light bore (pc) N.N.W. Land in sight on starboard beam. Steaming three fourths power. Steam 65 1/2 lbs. Temp of bunkers 100°. Revolutions 51-4.

(Signed) Sam. C. Lemly
Ensign.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, At Sea

Hour.	WINDS.					BAROMETER.		TEMPERATURE.				State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
AM																
1	10		S	NW	4		30.08	62	62	62	75	bc	None	10	S	Single reefed topsails.
2	4	4	s 1/4 e	WNW	"		"	61	61	60	"	"	"	"	"	Foresail, foretopmast
3	9		S	"	"		"	"	60	"	"	"	"	"	"	Staysail.
4	10		S 1/4 W	"	5		"	"	"	"	73	"	"	"	"	
5	10		S 1/2 W	"	4		"	"	"	"	74	"	"	"	"	
6	10	5	S	"	"		30.10	"	57	56	"	"	Cum	9	"	Topsails, foresail, jib
7	10	4	"	"	"		30.16	59	58	"	75	"	"	"	"	Foretopmast staysails
8	10	4	S by W	"	6		30.18	58	"	"	"	"	"	"	"	Main try sail
9	10	4	"	"	"		30.20	"	"	"	"	"	"	"	"	Spanker T.G. sails
10	10	4	SW	"	"		"	59	59	"	74	"	"	"	"	
11	10		"	"	"		30.17	60	60	58	75	"	"	"	"	Spanker Main try sail
No on.	10		"	"	"		30.16	62	58	"	"	f	---	10	"	Foretopmast staysail & jib

Distance run by Log since preceding Noon 240 knots 2 fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊕ ° ' "

Longitude by Chronometer from Forenoon Observations ⊕ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊕ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊕ observed at ° ' "

Water expended during the preceding 24 hours 225 gallons

Water Condensed during the preceding 24 hours 730 "

Water remaining on hand fit for me at Noon 2190 "

Coal consumed during the preceding 24 hours 14 tons 1740 lbs.

Coal remaining on hand at Noon 70 " 755 "

P.M.																
1	9	4	SW by W 1/4 W	WNW	6		30.13	63	64	64	73	f	None	10	S	Spanker, main try
2	9	6	"	"	"		30.11	"	"	59	"	"	"	"	"	sail, foretopmast
3	8	4	W 1/2 S	"	"		"	"	65	60	"	bc	Str	9	"	staysail, jib
4	9	4	W SW 1/4 W	"	"		"	64	64	62	74	"	Cum Str	"	"	
5	9	2	W by S	"	6-7		30.10	"	65	"	"	"	"	10	"	
6	5		"	"	"		"	65	66	"	73	"	"	9	"	
7			"	"	"		30.12	64	67	63	"	"	"	"	"	
8			Steaming in for anchorage	"	5		"	"	"	"	---	"	"	"	"	
9			"	N	"		30.11	68	69	66	---	"	"	3	"	
10			At anchor	"	"		30.40	"	"	"	---	"	"	8	"	
11			"	"	"		"	"	68	"	"	"	"	9	"	
Mid.			"	"	"		30.12	"	"	"	"	"	"	"	"	

Longitude by Chronometer from Afternoon Observations ⊕ ° ' "

Longitude by Chronometer Observations] ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. Scott Schley
Sunday February 11th, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear. Pleasant. Fresh breeze from N and W. At 1.10 got cast of lead in 12 fathoms water. At 1.25 hoisted Foretopmast staysail. At 2 took soundings, 16 fathoms, no bottom. At 3 took soundings, 25 fathoms, no bottom. At 4 took soundings, 28 fathoms, no bottom. Gave Richard Jones (W.R.C.) and W. H. Johnson (W.O.C.) four hours extra duty on quarter deck, by order of Commanding Office. Steam in six boilers. Average pressure 64 lbs. Temp of bunkers 110°. Revolutions 42.

(Signed) J. T. Sullivan
Lieut.

From 4 to 8 A.M. Clear and pleasant. Fresh breeze from N and W. Sea smooth. At 5.10 sighted Cape Florida Light bearing (pc) S.S.W. Land in sight along starboard beam. Passed several beacons. Sent up Topgallant and royal yards, and set Topgallant sails, royals, jib and spanker. At 8 took in royals and spanker. Cadysfort Light in sight at end of watch bearing W. 3/4 S. distant four miles. Steam 58 lbs. Revolutions 52.

(Signed) J. K. Cogswell
Lieut.

From 8 to Merid. Clear. Warm. Fresh N.N.W. breeze. At 9.30 shortened and furled square sails, sent down royal and topgallant yards. At 10 inspected at quarters. Coasting along Florida reefs. Steaming under six boilers. Passed several sails bound to N. Steam pressure 65 lbs. Temp of bunkers 106°. Revolutions 54-7. Alligator reef Light, at end of watch bore (pc) W.N.W. 1/2 W. At 12 hauled in patent log which showed 56 1/2 miles.

(Signed) Richard G. Davenport
Lieut.

From Merid. to 4 P.M. Clear and pleasant. Fresh breeze from W.N.W. Passed several sail. At 3.05 Sowbuo Light bore N, distant one mile. Steam in six boilers. Pressure 64 lbs. Temp of bunkers 110°. Revolutions 57.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 P.M. Clear and pleasant, fresh breeze from W.N.W. At 5 took in jib, foretopmast staysail and spanker and at 7.30 Main trysail. At 6.30 made Land Key Light (pc) W. 1/2 N. and at 6.30 Key West Light (pc) N.W. by W. Sent up two rockets and burned blue lights. At 7.45 called all hands bring ship to anchor. Steaming three fourths power. Steam 65 lbs. Temp of bunkers 110°. Revolutions 48.

(Signed) Sam. C. Lemly
Ensign.

From 8 to Midnight. Clear and pleasant. Fresh breeze from N. Came to anchor at 8.10, off Key West, in 7 fathoms water, veering to 45 fathoms on port chain. Bearings at anchor Sand Key Light S.W. by W 1/2 W. and Key West Light N. 1/2 W. Fires banked under six boilers. Average steam 31 lbs. Temp of bunkers 106°.

(Signed) J. T. Sullivan
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

Record of the sail the vessel is
under at end of watch.

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	o	'	"
Longitude by D. R. at Noon	o	'	"
Latitude by Observations at Noon ⊕	o	'	"
Longitude by Chronometer from Forenoon Observations ⊕	o	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ⊕ observed at Sunrise	o	"	"
Variation of the Compass by Azimuth ⊕ observed at	o	"	"
Water expended during the preceding 24 hours			225 gallons
Water		during the preceding 24 hours	"
Water remaining on hand fit for me at Noon			1700 "
Coal consumed during the preceding 24 hours	1	tons	1640 lbs.
Coal remaining on hand at Noon	68	"	1300 "

Longitude by Chronometer from Afternoon Observations \oplus	0	1	11
Longitude by Chronometer Observations]	0	1	11
Variation of the Compass by Amplitude observed at Sunset	0	1	11
Variation of the Compass by at	0	1	11

under the command of Commander W. Scott Schley
Monday February 12th, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy, warm, squally. Fresh breeze from N.N.W. Barometer steady. Average steam pressure 85 lbs. Temp of bunkers 105°.

(Signed) J. K. Cogswell
Lieut.

From 4 to 8 A.M. Clear. Warm. Pleasant. Fresh N. by E. wind. Cir cum cloudy. At 6.30 Key West pilot came aboard. Banked fires under six boilers. Average steam pressure 35 lbs. Temp of bunkers 108°. At 7.50 spread fires.

(Signed) Richard G. Davenport
Lieut.

From 8 to Merid. Clear and pleasant, with fresh N. by E. breeze. At 9 got underway and stood in for Key West Harbor. At 10 let go port anchor in Key West harbor in five fathoms of water and veered to 25 fathoms. At 10.45 got underway, steamed in and made fast to Government Wharf. Hauled fire under all boilers.

(Signed) Wainwright Kellogg
Lieut.

From Merid. to 4 P.M. Clear. Warm. Light N[orther]ly breeze. During first part watch, men engaged in cleaning ship. J. P. Marker (2 C.A.) placed in solitary confinement, on bread and water, for fighting and refusing duty. At 1 Summary Court Martial convened for the trial of Thomas Murphy (O.S.2 C.)

(Signed) Sam. C. Lemly
Ensign.

From 4 to 8 P.M. Clear. Warm. Light breeze from N.N.W. At 5.10 Summary Court Martial adjournment. Flood tide.

(Signed) J. T. Sullivan
Lieut.

From 8 to Midnight. Clear and pleasant. Light breeze from N. Bright starlight. Ebb tide. Temp of bunkers 80°.

(Signed) J. K. Cogswell
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Key West, Florida

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A.M.															
1				N	3		30.07	70	72	71		b	None	10	
2				"	"		30.08	"	70	69		"	"	"	
3				"	4		"	"	69	68		"	"	"	
4				NNE	"		"	"	"	"		"	"	"	
5				"	3		30.07	69	"	"		bc	Cum Str	9	
6				"	"		30.08	70	"	"		b	None	10	
7				N by E	2		"	"	70	69		"	"	"	
8				"	"		30.09	"	71	70		"	"	"	
9				NNE	"		"	71	"	71		"	"	"	
10				"	"		"	72	"	72		"	"	"	
11				"	"		30.08	74	73	"		"	"	"	
Noon				"	"		"	"	74	"		"	"	"	

Distance run by Log since preceding Noon		knots		fathoms.
Latitude by D. R. at Noon		o		"
Longitude by D. R. at Noon		o		"
Latitude by Observations at Noon ⊕		o		"
Longitude by Chronometer from Forenoon Observations ⊕		o		"
Current during the time	knots		fms. per hour, setting to the	
Variation of the Compass by Amplitude ⊕ observed at Sunrise		o		"
Variation of the Compass by Azimuth ⊕ observed at		o		"
Water expended during the preceding 24 hours				275 gallons
Water during the preceding 24 hours				"
Water remaining on hand fit for me at Noon				1200 "
Coal consumed during the preceding 24 hours	1	tons	60	lbs.
Coal remaining on hand at Noon	144	"	825	"

P.M.															
1				NNE	2		30.06	74	75	74		b	None	10	
2				"	"		30.04	"	"	"		"	"	"	
3				"	1		30.02	75	"	"		"	"	"	
4				"	2		"	"	74	72		"	"	"	
5				"	"		30.03	74	"	"		"	"	"	
6				"	"		30.04	"	"	"		"	Cir Cum	9	
7				"	1		30.06	"	"	"		bc	"	7	
8				"	"		30.08	"	73	"		"	"	5	
9				"	2		"	72	72	71		"	Cir	9	
10				"	"		30.09	"	"	"		"	Cir Str	"	
11				"	"		30.10	"	"	"		"	"	"	
Mid.				"	"		"	"	71	71		"	"	"	

Longitude by Chronometer from Afternoon Observations ⊕		o		"
Longitude by Chronometer Observations]		o		"
Variation of the Compass by Amplitude observed at Sunset		o		"
Variation of the Compass by at		o		"

under the command of Commander W. Scott Schley
Tuesday February 13th, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear. Cool. Pleasant. Moderate N[orther]ly breeze. Starlight.
Temp of bunkers 80°.

(Signed) Richard G. Davenport
Lieut.

From 4 to 8 A.M. Clear and pleasant. Light breeze from N. Engaged in coaling ship. Received
in Paymaster Department fresh meat and vegetables.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Merid. Cloudless and warm, Light N.N.E. breeze. Engaged in coaling ship.

(Signed) Sam. C. Lemly
Ensign.

From Merid. to 4 P.M. Clear. Warm. Light N.N.E. breeze. Finished coaling ship. Thomas Curley
(2 C.F.) placed in double irons to await trial by Court Marital, for making an assault with a knife
upon a shipmate.

(Signed) J. T. Sullivan
Lieut.

From 4 to 8 P.M. Clear and pleasant during first part, afterwards partially overcast. Light airs
from N and E.

(Signed) J. K. Cogswell
Lieut.

From 8 to Midnight. Clear. Warm. Starlight. Heavy dew. Light N.N.E. breeze. Gave A. T. Leigh
(Boy) four hours extra duty, by order of Commanding Officer.

(Signed) Richard G. Davenport
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Key West, Florida

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prog. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A.M.															
1				N by E	1-2		30.10	71	71	70		bc	Cir Str	9	
2				NNE	2		"	72	"	"		b	None	10	
3				"	"		30.09	"	"	"		"	"	"	
4				NE	"		30.08	"	"	"		"	"	"	
5				NE by N	"		"	71	70	"		Bc	Cir Cum	8	
6				"	"		"	"	"	"		"	"	7	
7				"	"		"	"	"	"		"	"	9	
8				"	"		"	"	"	"		"	"	6	
9				NNE	3		30.12	70	"	"		om	"	0	
10				"	2		"	"	71	"		"	"	"	
11				"	"		30.11	"	"	"		bc	"	5	
Noon				"	1		30.10	72	73	72		"	"	8	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	o	' "
Longitude by D. R. at Noon	o	' "
Latitude by Observations at Noon ⊕	o	' "
Longitude by Chronometer from Forenoon Observations ⊕	o	' "
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ⊕ observed at Sunrise	o	" "
Variation of the Compass by Azimuth ⊕ observed at	o	" "
Water expended during the preceding 24 hours		275 gallons
Water during the preceding 24 hours		"
Water remaining on hand fit for me at Noon		730 "
Coal consumed during the preceding 24 hours	tons	300 lbs.
Coal remaining on hand at Noon	144	525 "

P.M.															
1				NNE	1		30.08	72	74	73		bc	Cum	9	
2				"	"		30.06	74	"	"		"	"	"	
3				"	"		30.04	"	"	"		"	Cir Cum	8	
4				"	"		30.06	"	"	"		"	"	6	
5				Calm	0		30.05	"	"	74		"	"	8	
6				"	"		30.04	"	"	"		"	"	"	
7				NNE	1		30.05	"	73	72		"	"	6	
8				"	"		"	"	72	"		"	"	9	
9				N	2		30.10	73	"	71		"	Str	"	
10				NNE	"		"	72	71	70		of	"	0	
11				"	"		30.11	71	70	"		bf	"	5	
Mid.				"	1		"	72	71	"		bc	Cum	9	

Longitude by Chronometer from Afternoon Observations ⊕	o	' "
Longitude by Chronometer Observations]	o	' "
Variation of the Compass by Amplitude observed at Sunset	o	' "
Variation of the Compass by at	o	' "

under the command of Commander W. Scott Schley
Wednesday February 14th, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant, warm. Light breeze from N and E.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 A.M. Clear and pleasant, with light N.E[aster]ly wind. Engaged cleaning ship.

(Signed) Sam. C. Lemly
Ensign.

From 8 to Merid. Clear, warm and pleasant. Light airs from N and E.

(Signed) J. T. Sullivan
Lieut.

From Merid. to 4 P.M. Clear and pleasant, light airs from N and E. Received on board, per Bureau of Equipment and Recruiting, the following stores, Viz, 1 coil 200 fathoms 1 3/4 in Hemp Rope. 1 coil 200 fathoms 15 thread Ratline. 1 coil 400 fathoms 1 in Manila. For Pay Department, 10 boxes Bread, 3 boxes Tobacco, 6 boxes Candles, 1 bale Sheeting. John Hallisey (2 C.B.) and Robert McGuckin (2 C.A.) declared deserters, by orders of Commanding Officer, having been absent two days without leave.

(Signed) J. K. Cogswell
Lieut.

From 4 to 8 P.M. Clear. Warm. Light airs from N and E. At 5.20 mustered at quarters and served out clean hammocks, found Thomas Kelly (C.M.T.) and Luther Baker (Q.M.) absent without leave.

(Signed) Richard G. Davenport
Lieut.

From 8 to Midnight. Clear and pleasant during first part, afterwards foggy. Light breeze from N.N.E.

(Signed) Wainwright Kellogg
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

Record of the sail the vessel is
under at end of watch.

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ⊕	°	'	"
Longitude by Chronometer from Forenoon Observations ⊕	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ⊕ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ⊕ observed at	°	"	"
Water expended during the preceding 24 hours			225 gallons
Water			"
During the preceding 24 hours			"
Water remaining on hand fit for me at Noon			2920
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

Longitude by Chronometer from Afternoon Observations \oplus	0	1	11
Longitude by Chronometer Observations]	0	1	11
Variation of the Compass by Amplitude observed at Sunset	0	1	11
Variation of the Compass by at	0	1	11

under the command of Commander W. Scott Schley
Thursday February 15th, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant. Calm.

(Signed) Sam. C. Lemly
Ensign.

From 4 to 8 A.M. Clear and pleasant. Calm. Light airs from N during last hour.

(Signed) J. T. Sullivan
Lieut.

From 8 to Merid. Clear and pleasant, light airs from N. Crew engaged in watering ship up to last hour. Fires started under six boilers at 10.30. Received onboard for the Department of Construction the following stores, Viz. 30 gall's Linseed oil. 200 lbs White Zinc. 2 lights Glass 25 x 17. Thomas Kelly (C.M.T.) Luther Baker (S.2 M.) Wm Driscoll (Sea) and J. C. Butter (Sea) brought aboard by city police, for whom \$5 reward each was paid.

(Signed) J. K. Cogswell
Lieut.

From Merid. to 4 P.M. Clear. Warm. Light N[orther]ly airs. At 1.45 steam reported ready. At 2 shoved off from wharf and came to with port anchor, 20 fathoms chain in 4 1/2 fathoms water. At 3.30 mustered at quarters and turned in clean hammocks. Sent one W.R. steam heater ashore to nave storehouse. Banked fires in six boilers. Average steam pressure 68 lbs. Bunker full. Pilot left the ship at 2.30. Riding to ebb tide.

Signed Richard G. Davenport
Lieut.

From 4 to 8 P.M. Cloudy, warm. Light airs from S.E. Sent awnings below and stanchions were unshipped. Slack water at 5.30. Swung to flood at 6. John P. Marker (2 C.B.) released from confinement and sent to duty. Thomas Curley (2 C.F.) released from confinement but prisoner at large. Banked fires in six boilers. Average steam pressure 40 lbs. Bunkers full.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Midnight. Warm, calm first half watch light S.E[aster]ly airs last half. At midnight swung to ebb. Fires banked in six boilers. Average steam pressure 45 lbs.

(Signed) Sam. C. Lemly
Ensign.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, At Sea

Hour.	Knots. Fathoms.		Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.					
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.										
A. M.																					
1				ESE	1		30.08	74	74	73		b	None	10							
2				"	"		"	"	75	"		bc	Cum	9							
3				Calm	0		"	73	"	"		"	"	8							
4				"	"		30.07	74	"	"		"	"	7							
5				NNE	1		30.08	"	"	"		"	Cir Cum	"							
6				S by W	"		"	"	74	74		"	"	"							
7			Underway in charge of pilot.	"	4		"	75	75	"		"	"	8							
8				"	"		30.10	"	"	"		"	"	"							
9	3	4	W 1/2 S	"	"		30.10	76	76	"	74	"	"	4	S						
10	5		W 1/4 S	"	"		30.12	"	"	"	"	"	"	6	"						
11	9	4	"	"	3		30.10	"	"	"	"	"	"	5	"						
No on.	1	4	W 1/2 S	S	4		30.08	"	"	"	"	"	"	8	"	All fore and aft sail					
	10	4																			
Distance run by Log since preceding Noon																					
										34 knots	0 fathoms.										
Latitude by D. R. at Noon										25 °	25 ' 30 "	"N									
Longitude by D. R. at Noon										82 °	37 ' "	"N									
Latitude by Observations at Noon ⊕										24 °	26 ' 26 "	"N									
Longitude by Chronometer from Forenoon Observations ⊕										°	' "	"									
Current during the time										knots	fms. per hour, setting to the										
Variation of the Compass by Amplitude ⊕ observed at Sunrise										°	" "	"									
Variation of the Compass by Azimuth ⊕ observed at 8.30 A.M.										5 °	0 "	"E									
Water expended during the preceding 24 hours										225 gallons											
Water during the preceding 24 hours										"											
Water remaining on hand fit for me at Noon										2690 "											
Coal consumed during the preceding 24 hours										10 tons	200 lbs.										
Coal remaining on hand at Noon										132 "	1200 "										
P. M.																					
1	9	6	W 1/2 S	SW	4		30.06	77	77	74	75	bc	Cir Cum	9	9						
2	9	4	"	"	"		"	"	"	"	"	"	"	"	"						
3	2	4	"	"	"		"	"	"	"	"	"	"	"	"						
4	6		"	"	"		"	"	"	75	"	"	"	3	"						
5	8	4	"	S by W	5		30.02	"	"	74	"	"	"	2	"						
6	9	2	"	"	6-7		30.10	74	71	70	74	"	Cum Nimb	0	"						
7	10		"	NNW	6		30.16	72	"	"	73	"	"	1	"	All fore and aft sail.					
8	9		"	"	4-5		30.28	"	70	69	74	"	"	3	"						
9	3	4	W	"	"		30.31	71	"	70	"	"	"	4	"						
10	10		"	"	"		"	72	71	"	73	"	"	7	"						
11	10		"	"	3-4		"	"	"	"	"	"	"	9	"						
Mi d.	10		"	"	"		"	"	"	"	"	"	"	8	"	Foresail. All fore and aft sail except Flying jib.					
Longitude by Chronometer from Afternoon Observations ⊕										°	' "	"									
Longitude by Chronometer Observations										°	' "	"									
Variation of the Compass by Amplitude										°	' "	"									
Variation of the Compass by										°	' "	"									

under the command of Commander W. Scott Schley
Friday February 16th, 1877.

, U. S. Navy.

[Editor's note: The following note was attached to the log entry for February 16, 1877.]

U.S.S. "Essex" 3rd Rate.
At Sea, February 16th, 1877

Expended at target practice this day.

Powder, cannon in XI in. bags.	15 lbs (3)	45 lbs.
" " " XI in. "	10 " (12)	120 "
" " " 60 pds "	6 " 3	18 "
Cartridge Bags XI in.	15 lbs	3.
" " IX	10 "	12.
" " 60 pds	6 '	3.
Shells in boxes loaded and fused	XI in 5"	3.
" " " " " "	IX in 5"	12.
" " " " " "	60pds 5"	3.
Primers for cannon, quill		25.
Target Frame		1.

Asa Walker,
Lieut.

under the command of Commander W. Scott Schley
Friday February 16th, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear, warm and pleasant. Light airs, first hour from S and E. Riding to ebb tide. Fires banked. Average steam pressure 60 lbs.

(Signed) J. T. Sullivan
Lieut.

From 4 to 8 A.M. Warm and pleasant. Gentle breeze from S. Spread fires under six boilers at 6. At 6.15 pilot came aboard. Got underway at 6.30 and stood out the S.W. channel. At 8.10 the pilot left the ship. At 8.20 put the ship on course of W. 1/2 S. Sand Key Light bore (pc) E. by N. Draught of ship. Forward 14 ft. Amidship 15 ft. Aft 16 ft.

(Signed) J. K. Cogswell
Lieut.

From 8 to Merid. Clear. Warm. Light S by W. breeze. At 8.10 stopped engine, pilot left ship. At 8.20 started ahead. At 8.30 made several casts of lead, 4 and 4 1/2 fathoms water. At 9.20 lost sight of Sand Key Light bearing (pc) E. by S. At 9.30 changed course to W. 1/4 S. At 9.30 set all fore and aft sails except Flying jib. At 11 set Foresail. At 11.10 took in Foresail and changed course to W. 1/2 N. At 11.45 set Flying jib. Several sail in sight at end of watch. Steaming six boilers. Average steam pressure 67 1/4 lbs. Revolutions 57.6. Temp of bunkers 110°. At 12 hauled in patent log, which showed 40.5 miles. Reset and put over again.

(Signed) Richard G. Davenport
Lieut.

From Merid. to 4 P.M. Clear and pleasant, with light wind from the S and W. At 1 called all hands to muster and read proceedings and findings of Summary Court Martial in the case of Thomas Murphy (O.S. 2 C.) Sentence disapproved by Commanding Officer, on account of irregularities in proceedings. At 2.15 took in Fore and Aft sail and went to General Quarters. Practiced firing at target. Expended three rounds from each gun. At 3.21 sounded the retreat from Quarters and stood on course. Let all Fore and Aft sail except Flying Jib. Average steam pressure 65 lbs. Average revolutions 54. Temp of bunkers 110°. Steaming with six boilers.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 P.M. Wind hauling to NW and fresh in squalls, with passing showers of rain. Unbent both chains and secured anchors for sea. At 4.30 took in Fore and Aft sail. At 5.30 set Fore and Aft sail except Flying Jib. At 7 set Foresail. Steaming three fourths power. Steam 65 lbs. Temp of bunkers 98°. Revolutions 54.

(Signed) Sam. C. Lemly
Lieut.

From 8 to Midnight. Clear Pleasant. Fresh N.N.W. breeze. At 8.20 changed course to W. Steaming under six boilers. Average steam pressure 60 lbs. Temp of bunkers 110°. Revolutions 53°.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, At Sea

Hour.			WINDS.		Force.	Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
	Knots.	Fathoms.	Courses steered.	Direction.			Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	9		W	NNW	3		30.34	74	74	72	74	bc	Cum Nimb	8	S	Jib, F.T.M. stay-
2	10		"	NW	"		30.33	"	73	71	73	bcq	"	7	"	sail M. Try sail
3	9	4	"	"	4		30.32	72	"	70	76	"	"	4	"	and spanker.
4	9	2	"	"	"		"	"	"	69	77	"	"	3	"	
5	9		"	"	"		30.30	"	"	"	74	"	Cum	8	"	Jib, F.T.M. stay
6	9		"	"	"		"	"	"	72	"	bc	"	6	"	sail, M. Try sail
7	9		"	"	5		30.32	"	"	"	76	"	"	5	"	and spanker.
8	9	4	"	"	"		30.35	"	"	"	77	"	"	"	"	
9	9	2	W 1/2 S	"	"		30.38	"	72	70	79	"	Cir Cum	"	"	Fore and Aft sail
10	11		"	"	"		30.40	"	"	68	"	"	"	4	"	except F. Jib.
11	10	6	"	"	"		30.38	"	"	"	"	"	"	"	"	Topsails, Foresail
No on.	13		"	"	"		30.37	"	73	69	"	"	"	"	"	& T. G. sails.

Distance run by Log since preceding Noon	224	knots	4	fathoms.
Latitude by D. R. at Noon	24	°	22	' 30 "N
Longitude by D. R. at Noon	86	°	43	' "W
Latitude by Observations at Noon ⊕	24	°	13	' 14 "N
Longitude by Chronometer from Forenoon Observations ⊕	87	°	01	' "W
Current during the time	knots	6	fms. per hour, setting to the	S. 61° W.
Variation of the Compass by Amplitude ⊕ observed at Sunrise		°	"	"
Variation of the Compass by Azimuth ⊕ observed at 8.15 A.M.	6	°	"	"E
Water expended during the preceding 24 hours			285	gallons
Water during the preceding 24 hours				"
Water remaining on hand fit for me at Noon			2190	"
Coal consumed during the preceding 24 hours	10	tons	1235	lbs.
Coal remaining on hand at Noon	121	"	2204	"

p m																
1	4 5		w 1/2 s w by s	NNW	4		30.34	72	72	69	89	bc	Cir Cum	4	H	All sail except
2	8 6		"	"	5		30.32	"	"	"	"	"	"	"	"	royals, mainsail,
3	8 2		"	"	4		"	"	"	"	"	"	"	6	"	& gaff topsails.
4	7 4		"	"	"		30.31	"	"	"	"	"	"	5	"	
5	8		"	N by W	"		30.34	"	"	"	78	"	"	4	S	
6	8 2		"	"	"		"	"	"	68	75	"	Cum Str	3	"	
7	8 4		"	"	"		"	"	71	"	74	"	"	8	"	Top G. Sails, single
8	8		"	NNW	"		30.36	71	"	"	73	"	Cum	9	"	reefed topsails
9	8		"	NE	3		"	72	"	"	74	"	"	"	"	jib, F.T.M. staysail,
10	8 4		"	"	"		30.30	70	"	69	"	"	Cir Cum	3	"	M. Trysail & spanker.
11	8		"	"	"		"	72	"	70	"	"	"	2	"	
Mi d.	7 4		"	"	2-5		"	"	72	71	"	"	"	3	"	

Longitude by Chronometer from Afternoon Observations ⊕	°	'	"
Longitude by Chronometer Observations	°	'	"
Variation of the Compass by Amplitude	°	'	"
Variation of the Compass by	°	'	"

under the command of Commander W. Scott Schley
Saturday February 17th, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy and warm, with moderate breeze from N.W. Squally. Steaming with six boilers. At 2.30 took in Foresail. Average steam pressure 64 lbs. Temp of bunkers 105°. Revolutions 52.

(Signed) J. K. Cogswell
Lieut.

From 4 to 8 A.M. Clear. Warm. Pleasant. Fresh N.W. wind. Cum clouds. At 6.30 passed a ship bound to E. Steam in six boilers. Average steam pressure 55 lbs. Temp of bunkers 96°. Revolutions 48.

(Signed) Richard G. Davenport
Lieut.

From 8 to Merid. Clear and pleasant. Moderate breeze from N.W. At 8.25 changed courses to W. 1/2 S. Hauled in patent log, 103 miles. At 10 set topsails. At 11 set topgallant sails. At merid hauled in patent log. 39 miles. Steaming six boilers. Average revolutions 51. steam pressure 57 lbs. Temp of bunkers 113°.

(Signed) Wainwright Kellogg
Lieut.

From Merid. to 4 P.M. Clear. Pleasant. Moderate breeze from N and W. At 12.25 changed course to W. by S. At 12.30 banked fires in two boilers. Average steam pressure 55 lbs. Temp of bunkers 105°. Revolutions 40.

(Signed) Sam. C. Lemly
Ensign.

From 4 to 8 P.M. Cloudy and warm. Moderate breeze from N. Steaming with four boilers. At 5 mustered at quarters. At 5.10 took one reef in topsails. Clear and pleasant last two hours. Average steam 48 lbs. Revolutions 39.4. Temp of bunkers 100°.

(Signed) J. T. Sullivan
Lieut.

From 8 to Midnight. Weather pleasant. Cloudy. Light breeze from N.E. Sea smooth, wind variable. Took in spanker, trysail and jib. Average steam 55 lbs. Temp of bunker 110° Revolutions 31. Moon set at 9.30

(Signed) J. K. Cogswell
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns,
At Sea

Hour.		WINDS.				BAROMETER.		TEMPERATURE.				State of the Weather by symbols.		Forms of Clouds, by symbols.		Prop. of Clear Sky, in 10ths.		State of the Sea.		Record of the sail the vessel is under at end of watch.	
		Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. atfd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.									
A.M.																					
1	7			W by S	N by W	5-6		30.37	72	71	69	72	bc		Cir Cum	2	S				
2	7	4		"	N by E	"		"	"	"	"	71	"	"	"	3	"				
3	7	6		"	"	"		30.36	"	"	"	"	"	"	"	4	"				
4	7	6		"	NNE	"		"	"	"	"	"	"	"	"	6	"	Single reefed T. sails,			
5	7	4		"	"	4		"	71	"	"	72	"	"	"	5	"	T. G. sails, F.T. M.			
6	7	4		"	NE	5		30.37	"	"	"	"	"		Cum Nimb	4	"	staysail.			
7	8			"	"	"		30.38	"	"	"	"	"	"	"	3	"				
8	7	4		"	"	"		30.40	"	"	70	75	"	"	"	"	"	T.sails T.G. sails			
9	8	2		SW by W 1/2 W	"	4		"	"	"	"	"	"	"	"	8	"	Foresail F.T. M.			
10	8	4		"	"	"		30.38	73	73	72	74	"	"	"	"	"	staysail.			
11	4	6		"	ENE	"		30.36	76	74	73	"	"	"	"	9	"				
Noon.		4	4	"	"	"		30.34	77	76	75	"	"	"	"	"	"	Foresail F.T.M. staysail, Topsails. T.G. sails & T. Royals.			
Distance run by Log since preceding Noon													184 knots		6 fathoms.						
Latitude by D. R. at Noon													23 °		43 ' 26 "		"N				
Longitude by D. R. at Noon													90 °		20 ' "		"W				
Latitude by Observations at Noon ⊕													23 °		46 ' 46 "		"N				
Longitude by Chronometer from Forenoon Observations ⊕													90 °		38 ' "		"W				
Current during the time						knots	5	fms. per hour, setting to the						N 78° W.							
Variation of the Compass by Amplitude ⊕ observed at Sunrise													°		"		"				
Variation of the Compass by Azimuth ⊕ observed at 8 A.M.													6 °		"		"E				
Water expended during the preceding 24 hours															260 gallons						
Water						during the preceding 24 hours								"							
Water remaining on hand fit for me at Noon															1980		"				
Coal consumed during the preceding 24 hours													9		tons	1315	lbs.				
Coal remaining on hand at Noon													112		"		890	"			
Pm																				Plain sail to royals.	
1	2	2	sw by w 1/2 w sw by w	NE	3			30.32	78	78	76	73	bc		Cum	8	9	Jib, F. jib, spanker			
2	4		"	"	"			30.28	77	76	74	"	"	"	"	7	"	and trysail.			
3	4		"	"	"			"	"	75	"	"	"	"	"	"	"				
4	3	4	"	"	1-2			"	76	"	"	"	"	"	"	8	"				
5	5		"	"	2-3			30.29	75	74	73	"	"	"	"	6	"	Single reefed topsails			
6	6	2	"	"	3-4			30.20	74	73	72	74	"	"	"	4	"	T.G. sails, Foresail,			
7	7	2	"	"	4			30.32	"	"	"	"	o		Cum Nimb	0	"	F.T.M. staysail.			
8	8		"	"	"			"	"	"	"	"	bc		Cum	2	"				
9	8		"	E	"			"	"	"	70	"	"	"	"	3	"	Foresail, single reefed topsails			
10	9		"	E by s	"			30.30	73	72	"	73	"	"	"	"	"	T.G.sails F.T.M.			
11	10		"	ESE	5			30.28	72	"	69	"	"	"	"	6	"	staysail, jib, spanker			
Mid.		9	2	"	"	"		"	"	"	"	"	"	"	"	9	"	main trysail.			
Longitude by Chronometer from Afternoon Observations 8													°		'		"				
Longitude by Chronometer Observations													°		'		"				
Variation of the Compass by Amplitude													°		'		"				
Variation of the Compass by													°		'		"				

under the command of Commander W. Scott Schley
Sunday February 18th, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear. Pleasant. Fresh breeze from N. Cir cum clouds. Steaming four boilers. Fires banked in two boilers. Average steam pressure 49 lbs. Temp of bunkers 105°. Revolutions 38.

(Signed) Richard G. Davenport
Lieut.

From 4 to 8 A.M. Cloudy and warm. Moderate breeze from N.E. Steaming with four boilers. At 6.15 shook reefs out of topsails. Fires banked in two boilers. Average steam pressure 39 lbs. Temp of bunkers 110°. Revolutions 39.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Merid. Clear. Warm. Light N.E[aster]ly wind. Crossed royal yards at 8.30. At 8.40 set royals. Stopped engines at 10 and uncoupled propeller. At 9.40 Commanding Officers inspected at quarters. At 10 called all hands to muster and prayers were read by Commanding Officer. Fires banked in six boilers. Average steam pressure until 10, 65 lbs; after 10, 30 lbs. Revolutions 44. Temp of bunkers 100°. Distilling.

(Signed) Sam. C. Lemly
Ensign.

From Merid. to 4 P.M. Clear and pleasant. Light breeze from the N and E. At 12.20 changed course to S.W. by W. At 3.50 spread fires under four boilers. Average steam 20 lbs. Temp of bunkers 70°. Distiller in operation.

(Signed) J. T. Sullivan
Lieut.

From 4 to 8 P.M. Pleasant weather. Cloudy. Light breeze from N. Scud passing to the S. At 4.30 coupled screw and started engine. Mustered at quarters at 5 1/4. Single reefed topsails and sent down royal yards. Average steam pressure 60 lbs. Temp of bunkers 100°. Revolutions 48.

(Signed) J. K. Cogswell
Lieut.

From 8 to Midnight. Clear. Pleasant. Fresh E.S.E. wind. Cum clouds. Sea smooth. Steaming four boilers, banked fires in two. Average steam pressure 66 lbs. Revolutions 47. temp of bunkers 110°. At 11 moon sets. At 10.45 set main trysail, spanker and jib.

(Signed) Richard G. Davenport
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, At Sea

Hour.			Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbol s.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
am																
1	7		SW by W	SSE	4		30.26	72	70	70	73	bc	Cum	9	S	Single reefed
2	8	6	"	"	3		"	"	72	"	"	"	"	"	"	topsails, foresail,
3	8	2	"	"	"		30.24	"	"	"	74	"	"	8	"	T.G. sails, spanker
4	8		"	"	2-3		30.26	"	"	"	"	"	"	7	"	& main trysail.
5	6	4	"	S by E	"		30.22	"	"	"	"	"	"	"	"	
6	7		"	S	1-2		30.24	"	"	"	"	"	Cum Nimb	"	"	
7	7		"	S by E	2-3		"	73	"	72	"	"	"	6	"	
8	7	2	"	SSE	"		30.26	74	73	"	"	"	Cir Str	7	"	Jib, F.T. M. staysail,
9	4		sw 1/2 s	"	3		30.24	"	74	"	"	"	Cir Cum	3	"	Foresail, F. jib, jib,
10	8		"	"	"		"	"	"	"	"	"	"	5	"	M. trysail, spanker.
11	8	2	"	"	"		30.23	75	75	74	"	"	"	"	"	
Noon.	8	6	"	"	"		30.21	76	77	75	"	"	"	4	"	

Distance run by Log since preceding Noon	173 knots	2 fathoms.
Latitude by D. R. at Noon	22 °	18 ' 11 "N
Longitude by D. R. at Noon	95 °	17 ' "W
Latitude by Observations at Noon ⊕	22 °	14 ' 11 "N
Longitude by Chronometer from Forenoon Observations ⊕	93 °	33 ' 45 "W
Current during the time knots 5 fms. per hour, setting to the S 75° W		
Variation of the Compass by Amplitude ⊕ observed at Sunrise	°	" "
Variation of the Compass by Azimuth ⊕ observed at 8 A.M.	6 °	" "E
Water expended during the preceding 24 hours		284 gallons
Water Condensed during the preceding 24 hours		365 "
Water remaining on hand fit for me at Noon		2061 "
Coal consumed during the preceding 24 hours	11 tons	1635 lbs.
Coal remaining on hand at Noon	100 "	1495 "

p m																
1	4	4	sw 3/4 s	SSE	3-4		30.14	77	76	74	75	bc	Cir Cum	5	S	F. jib, F.T.M. stay
2	8	4	sw 1/2 s	"	"		30.12	"	"	"	"	"	"	"	"	sail, foresail.
3	9	2	sw 3/4 s	"	4		"	76	75	73	76	"	"	1	"	M. trysail, spanker.
4	9	6	"	"	"		"	75	"	"	75	"	Cum	"	"	
5	9	2	"	"	"		30.13	76	"	74	74	"	Cir Cum	3	"	Fore and aft sail.
6	9	6	"	"	"		"	75	"	75	75	"	"	5	"	
7	10		"	"	"		"	"	"	74	74	"	"	6	"	
8	9		"	"	"		30.14	"	"	"	"	"	Cir	5	"	All Fore & aft sail
9	10		SW by S	"	"		30.16	"	"	"	75	"	Cum Nimb	4	"	Except flying jib.
10	10	2	"	"	4-5		30.18	"	"	"	"	"	"	0	"	
11	10		"	"	4		30.17	"	"	"	"	"	"	"	"	Jib, F. jib F.T. M.
Mi d.	10		"	"	"		"	74	"	"	"	bc	"	2	"	Staysail, M. trysail & spanker.

Longitude by Chronometer from Afternoon Observations ⊕	°	'	"
Longitude by Chronometer Observations]	°	'	"
Variation of the Compass by Amplitude observed at Sunset	°	'	"
Variation of the Compass by at	°	'	"

under the command of Commander W. Scott Schley
Monday February 19th, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant. Moderate breeze from S and E. At 1 took in spanker. At 2 took in Main trysail. Steaming with four boilers. Banked fires under two boilers. Average steam pressure 58 lbs. Temp of bunkers 100°. Revolutions 44.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 A.M. Clear and pleasant. Light breeze from S and E. At 5.50 took in and furled all square sail. Steaming one half power, average steam pressure 52 lbs. Revolutions 40. Temp of bunkers 108°.

(Signed) Sam. C. Lemly
Ensign.

From 8 to Merid. Clear and warm. Moderate breeze from S.S.E. Steaming with four boilers. At 8.05 set flying jib, main trysail, spanker and foresail. At 9.30 mustered at quarters. 1st and 2nd Divisions exercised at great guns. Drilled the Marine Guard. Changed course, at 8.30, to S.W. 1/2 S. At 10.30 unbent Main trysails and bent Fore trysail in its place. Average steam 66 lbs. Temp of bunkers 105°. Revolutions 47 1/2.

(Signed) J. T. Sullivan
Lieut.

From Merid. to 4 P.M. Cloudy and damp. Moderate breeze from S and E. Sea smooth. At 1.30 started fires under two more boilers. Took in Foresail at 3.30. Quarterly Board of Survey condemned two cans of bouillon beef and threw it overboard. Steam 57 lbs. Temp of bunkers 104°. Revolutions 50. Distilling.

(Signed) J. K. Cogswell
Lieut.

From 4 to 8 P.M. Clear. Pleasant. Light breeze from S and E. At mustered at quarters. At 5.10 sent down topgallant yards. At 8 hauled in patent log which read 75 miles. Steaming under six boilers. Average steam pressure 66 1/2 lbs. Temp of bunkers 110°. Revolutions 54, 6.

(Signed) Richard G. Davenport
Lieut.

From 8 to Midnight. Cloudy, warm. Moderate breeze from S.S.E. Steaming with six boilers. Average steam pressure 65 lbs. Temp of bunkers 95°. Revolutions 56. Distilling. At 8.05 changed course to S.W. by S.

(Signed) Wainwright Kellogg
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, At Sea

Hour.			WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1	10		SW by S	S by E	5		30.16	74	75	74	75	bc	Cum	3	S	Spanker, M. Trysail, Jib, F. jib, F.T.M
2	9		"	"	"		30.15	"	"	73	74	"	Nimb	2	"	
3	8		"	SE	"		30.14	"	"	"	"	"	Cum Nimb	10	"	
4	10		"	"	"		30.13	"	74	"	75	"	Cum	8	"	
5	10		"	"	"		"	"	"	"	"	"	Cum Nimb	3	"	
6	9		"	W	2		30.16	"	"	"	"	"	"	"	"	
7	9		"	"	"		"	"	"	74	74	"	Cir Cum	4	"	
8	9		"	"	"		30.18	"	"	73	"	"	"	3	"	
9	4	6	"	"	"		30.20	75	75	75	76	"	"	5	"	
10	4	4	s 1/2 e	"	"		"	76	76	76	"	"	"	"	"	
11	Standing into harbor of Vera Cruz		"	"	"		30.19	"	"	"	"	"	"	"	"	Same & F. Jib.
Noon			"	"	"		"	"	"	"	"	"	"	"	"	

Distance run by Log since preceding Noon			knots	fathoms.
Latitude by D. R. at Noon			0	"
Longitude by D. R. at Noon			0	"
Latitude by Observations at Noon ⊕			0	"
Longitude by Chronometer from Forenoon Observations ⊕			0	"
Current during the time			knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ⊕ observed at Sunrise			0	"
Variation of the Compass by Azimuth ⊕ observed at			0	"
Water expended during the preceding 24 hours				264 gallons
Water condensed during the preceding 24 hours				365 "
Water remaining on hand fit for me at Noon				2160 "
Coal consumed during the preceding 24 hours			6 tons	535 lbs.
Coal remaining on hand at Noon			94 "	960 "

P.M.															
1			NNE	2			30.17	75	75	74		bc	Cum Nimb	5	
2	At anchor in harbor of Vera Cruz.		"	"			30.16	"	74	"		"	"	4	
3			"	"			30.14	"	"	"		"	"	3	
4			"	"			30.12	"	"	"		"	"	1	
5			N	1-2			30.13	"	"	"		"	"	"	
6			"	2			30.14	"	75	"		"	"	0	
7			"	"			"	"	74	"		oc	"	"	
8			"	"			30.15	"	"	"		"	"	"	
9			"	3-5			30.19	74	73	72		"	"	"	
10			"	3-6			30.20	73	"	"		ocq	"	"	
11			"	"			30.18	72	72	"		"	"	"	
Mid.			"	"			"	"	"	"		"	"	"	

Longitude by Chronometer from Afternoon Observations ⊕			0	"
Longitude by Chronometer Observations]			0	"
Variation of the Compass by Amplitude observed at Sunset			0	"
Variation of the Compass by at			0	"

under the command of Commander W. Scott Schley
Tuesday February 20th, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy first part of watch, clear last hour. Warm. Fresh breeze from S and E. At third hour of watch, came on thick, slowed down to 49 revolutions and hauled down Flying Jib. At 3 started ahead full speed. Steam in six boilers. Average steam pressure 62 lbs. Temp of bunkers 98°. Revolutions 53. Distilling.

(Signed) Sam. C. Lemly
Ensign.

From 4 to 8 A.M. Partly cloudy weather. Light passing showers first part of watch. At 6.15 made high land bearing S.W. 1/2 W. by standard compass. Steaming six boilers. Average steam 58.5 lbs. Revolutions 53. Temp of bunkers 110°.

(Signed) J.T. Sullivan

From 8 to Merid. Cloudy and pleasant. Gentle breeze from W. At 8.40 altered course to S. 1/2 E. and stood for Vera Cruz. Bent the chains and prepared for port. Steamed into the harbor and took a pilot outside the fort. Passed a French steamer that dipped her colors. Got several casts of the lead, bottom at 45 and 27 fathoms. Steam pressure 59 lbs. Temp of bunkers 109°. Revolutions 57.

(Signed) J. K. Cogswell
Lieut.

From Merid. to 4 P.M. Cloudy. Warm. Moderate breeze N.N.E. Cum Nimb clouds. At 12.20 came to in 5 fathoms water with starboard anchor, veering to 25 fathoms chain, and sent boat with officers for U.S. Consul and to get permission to anchor inside near the castle. At 1.30 U.S. Consul came off. At 1.35 brought to chain. At 2 American Consul left ship. Got underway and steamed into the inner harbor. Moored ship to 30 fathoms on each chain. Got steam anchor out astern with 45 fathoms of chain. At 2.10 the pilot left the ship. Hauled fire under four boilers, banked fires under two. Average steam 55 lbs. Temp of bunkers 55°.

(Signed) Richard G. Davenport
Lieut.

From 4 to 8 P.M. Overcast and cloudy, with occasional light showers of rain. Light breeze from N. Ship moored head and stern off Fort San Juan De Ulloa. Bearings as moored. N.W. Bastion of Fort bore N. by W. S.W. Bastion N.E. Broke out spare anchor from fore hold, but sheet chain and got anchor ready for letting go from port cat head. At 4.30 an American schooner came into the harbor, sent officer onboard and ascertained that she was from Galveston, Texas, bound South. Average steam 30 lbs. Temp of bunker 96°. Distiller in operation. Fires banked under two boilers.

(Signed) J. K. Cogswell
Lieut.

From 8 to Midnight. Pleasant. Squalls from N. Cum Nimb clouds. Banked fires under two boilers. Average steam pressure 20 lbs. Temp of bunkers 100°. Distilling.

(Signed) Richard G. Davenport
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Vera Cruz, Mexico

Hour.	Knots.	Fathoms.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A.M.														
1			N	4		30.18	73	73	73		oc	Cum Nimb	0	
2			"	3		"	"	72	71		"	"	"	
3			"	"		30.16	"	"	"		"	"	"	
4			"	1-3		"	"	"	"		"	"	"	
5			NW	2		30.18	72	"	70		o	"	"	
6			NW by W	"		"	"	71	"		bc	"	1	
7			NW	3		30.20	71	"	"		o	"	0	
8			NW by N	4-5		30.22	"	70	69		og	"	"	
9			"	"		30.20	"	"	"		"	"	"	
10			N	"		30.22	"	71	70		"	"	"	
11			N by W	3		30.21	"	72	71		Bc	"	1	
Noon			"	5		30.18	72	73	72		"	Cir Cum	5	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	o	"
Longitude by D. R. at Noon	o	"
Latitude by Observations at Noon ⊕	o	"
Longitude by Chronometer from Forenoon Observations ⊕	o	"
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊕ observed at Sunrise	o	"
Variation of the Compass by Azimuth ⊕ observed at	o	"
Water expended during the preceding 24 hours		264 gallons
Water Condensed during the preceding 24 hours		365 "
Water remaining on hand fit for me at Noon		2261 "
Coal consumed during the preceding 24 hours	2 tons	955 lbs.
Coal remaining on hand at Noon	92 "	5 "

PM														
1			NNW	4-5		30.16	73	72	71		bc	Cir Cum	4	
2			N by W	"		30.14	72	"	70		bcq	"	5	
3			N	5-6		30.12	"	"	"		"	"	3	
4			"	"		30.10	"	71	"		"	"	2	
5			"	"		30.08	71	70	69		"	"	"	
6			N by W	"		30.09	70	"	"		oq	Cum Nimb	0	
7			"	"		30.10	"	"	"		"	"	"	
8			"	"		"	"	69	"		"	"	"	
9			NNW	4		30.12	"	70	"		"	"	"	
10			"	"		"	"	"	"		o	"	"	
11			"	2		30.13	"	"	"		"	"	"	
Mid.			SW	"		30.12	"	"	"		"	"	"	

Longitude by Chronometer from Afternoon Observations ⊕	o	"	"
Longitude by Chronometer Observations]	o	"	"
Variation of the Compass by Amplitude observed at Sunset	o	"	"
Variation of the Compass by at	o	"	"

under the command of Commander W. Scott Schley
Wednesday February 21st, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast and cloudy. Light breeze from N. Average steam during watch 20 lbs. Temp of bunkers 108°. Distiller in operation.

(Signed) J.K. Cogswell
Lieut.

From 4 to 8 A.M. Overcast. Moderate breeze from N and W, increasing during latter part of watch. Average steam pressure 30 lbs. Temp of bunkers 90°. Distilling.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Merid. Overcast. Pleasant. Strong breeze with squalls from N and W. At 9.30 inspected at quarters. Exercised 1st Div. Single sticks. 2nd Div. Small arms. Navigator Div. Infantry Tactics. At 10.30 instructed apprentice boys. Got up 45 fathoms port sheet chain and ranged it on deck. Fire banked fires in two boilers. Average steam pressure 20 lbs. Temp of bunkers 98°. Distilling.

(Signed) Richard G. Davenport
Lieut.

From Merid. to 4 P.M. Overcast, warm, squally. Strong breeze from N and W. Unbent light sails and made preparations for dressing ship. Fires banked in two boilers. Average steam pressure 20 lbs. Temp of bunkers 98°. Distilling. At 1 Comdg Officer paid official visit to the governor.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 P.M. Overcast and cloudy with occasional light showers of rain. Wind fresh from N. At sundown housed topgallant waste. Average steam 20 lbs. Temp of bunkers 90°. Distiller in operation.

(Signed) J. K. Cogswell
Lieut.

From 8 to Midnight. Overcast, warm with moderate from N.N.W. shifting to S.W. during latter part. Fires banked in two boilers. Average steam pressure 20 lbs. Temp of bunkers 90°. Distilling.

(Signed) Wainwright Kellogg
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Vera Cruz Mexico

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1				SW	1		30.12	70	70	70		bc	Cum	5		
2				"	"		30.10	"	"	"		"	"	"		
3				"	"		30.08	"	"	"		"	"	"		
4				"	"		30.06	"	"	"		"	"	"		
5				"	"		"	"	"	"		o	Cum Nimb	0		
6				"	"		"	"	"	"		bc	"	5		
7				"	"		"	"	"	"		"	"	7		
8				"	"		"	"	"	"		"	"	"		
9				ESE	"		"	"	72	71		"	"	1		
10				"	1-2		30.03	71	"	72		o	"	0		
11				NE	1		30.04	72	73	"		bc	"	3		
Noon				"	"		30.00	"	"	"		"	Cir Cum	5		

Record of the sail the vessel is
under at end of watch.

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	o	'	"
Longitude by D. R. at Noon	o	'	"
Latitude by Observations at Noon ⊕	o	'	"
Longitude by Chronometer from Forenoon Observations ⊕	o	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ⊕ observed at Sunrise	o	"	"
Variation of the Compass by Azimuth ⊕ observed at	o	"	"
Water expended during the preceding 24 hours		255 gallons	
Water Condensed during the preceding 24 hours		630 "	
Water remaining on hand fit for me at Noon		2635 "	
Coal consumed during the preceding 24 hours	tons	2035	lbs.
Coal remaining on hand at Noon	91	"	210 "

[illegible]

Longitude by Chronometer from Afternoon Observations ☉	0	1	2
Longitude by Chronometer Observations]	0	1	2
Variation of the Compass by Amplitude	0	1	2
observed at Sunset	0	1	2
Variation of the Compass by	0	1	2
at	0	1	2

under the command of Commander W. Scott Schley
Thursday February 22nd, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant. Light S.W[ester]ly airs. Average steam 25 lbs.
Temp of bunkers 80° Distilling water.

(Signed) J. T. Sullivan
Lieut.

From 4 to 8 A.M. Pleasant, cloudy first hour. Light S.W[ester]ly airs. At 5.20 fidded topgallant
masts and crossed topgallant yards. At sunrise, full dressed ship, rainbow fashion, in honor of
Washington's birthday. Fires banked in tow boilers. Average steam pressure 25 lbs. Temp of
bunkers 94°. Distilling.

(Signed) Sam. C. Lemly
Ensign.

From 8 to Merid. Overcast, warm. Light airs from S and E, shifting to N and E. Hauled fires in all
boilers, and pumped out boilers.

(Signed) Wainwright Kellogg
Lieut.

From Merid. to 4 P.M. Cloudy but pleasant, moderate breeze from E. Served out monthly
money to ships company. Temp of bunkers 90°.

(Signed) Sam. C. Lemly
Ensign.

From 4 to 8 P.M. Overcast pleasant. Light breeze from N and E, shifting to N and W. At sunset
sent down topgallant yards.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Midnight. Cloudy but pleasant, wind fresh in squalls from North.

(Signed) Cam. C. Lemly
Ensign.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

Record of the sail the vessel is
under at end of watch.

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	0	"
Longitude by D. R. at Noon	0	"
Latitude by Observations at Noon ⊕	0	"
Longitude by Chronometer from Forenoon Observations ⊕	0	"
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊕ observed at Sunrise	0	"
Variation of the Compass by Azimuth ⊕ observed at	0	"
Water expended during the preceding 24 hours		255 gallons
Water during the preceding 24 hours		"
Water remaining on hand fit for me at Noon		2380 "
Coal consumed during the preceding 24 hours	tons	935 lbs.
Coal remaining on hand at Noon	90 "	1515 "

Longitude by Chronometer from Afternoon Observations ☉	0	1	11
Longitude by Chronometer Observations]	0	1	11
Variation of the Compass by Amplitude observed at Sunset	0	1	11
Variation of the Compass by at	0	1	11

under the command of Commander W. Scott Schley
Friday February 23rd, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast, squally. Fresh breeze from N.N.W. Slight fall of rain during first part.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 A.M. Cloudy, squally. Fresh N.W[ester]ly wind. Drizzling during first and last part of watch.

(Signed) J. T. Sullivan
Lieut.

From 8 to Merid. Cloudy, with passing showers, steady rain last hour. Wind fresh in squalls from N.N.W. until 11, when fell light. At 10.15 veered to forty five fathoms on both chains, and hove in stem fast. Engaged in cleaning bilges. Instructed boys in Seamanship, Gunnery and Signals. Temp of bunkers 74°.

(Signed) Sam. C. Lemly
Ensign.

From Merid. to 4 P.M. Overcast. Rainy during first hour. Light airs from N and E. Hove up stream anchor, carried it out and let it go to the Eastward, veering to 45 fathoms.

(Signed) J. T. Sullivan
Lieut.

From 4 to 8 P.M. Overcast but pleasant, with light variable airs.

(Signed) Sam. C. Lemly
Ensign.

From 8 to Midnight. Overcast first three hours, clear last hour. Light airs from S and W. Bright moonlight. Damp.

(Signed) J. T. Sullivan
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Vera Cruz, Mexico

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. atfd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1				SSW	1-5		29.94	70	70	70		bc	Cum Nimb	2		
2				"	"		"	"	"	"		"	"	"		
3				N by W	2-5		"	"	"	"		"	"	"		
4				"	4-5		29.92	"	"	"		oc	"	0		
5				"	"		29.93	"	69	69		"	"	"		
6				"	6		29.95	"	"	"		"	"	"		
7				"	4-5		29.90	"	"	"		bc	Cir Cum Nimb	2		
8				"	3-4		29.98	"	"	"		"	Cir Cum	4		
9				"	1-2		30.00	"	"	"		"	"	"		
10				"	"		"	"	70	70		"	Cum Str	5		
11				"	"		29.98	"	"	"		"	"	8		
Noon				"	3		29.97	71	"	"		"	"	9		

Record of the sail the vessel is
under at end of watch.

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours	243 gallons		
Water	during the preceding 24 hours		"
Water remaining on hand fit for me at Noon	2137 "		
Coal consumed during the preceding 24 hours	tons	275	lbs.
Coal remaining on hand at Noon	90	"	1240 "

PM									
1	N by W	3	29.95	72	72	71	bc	Cir Cum Str	7
2	"	"	29.93	"	"	"	"	"	"
3	"	"	29.90	"	73	72	"	Cir Cum	4
4	"	"	"	73	"	"	"	Cir Cum Nimb	"
5	"	"	"	"	"	"	"	Cir Str	8
6	"	"	"	72	72	71	"	"	5
7	"	"	29.92	71	"	70	"	"	1
8	"	5	"	"	"	"	"	"	4
9	NNW	3	29.96	72	71	"	oc	Cir Cum	0
10	"	"	29.97	"	"	"	"	"	1
11	W	1-2	29.98	"	72	71	"	"	"
Mid.	S	0-1	"	"	"	"	"	"	"

Longitude by Chronometer from Afternoon Observations	⊕	0	1	11
Longitude by Chronometer Observations	]	0	1	11
Variation of the Compass by Amplitude	observed at Sunset	0	1	11
Variation of the Compass by	at	0	1	11

under the command of Commander W. Scott Schley
Saturday February 24th, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy but pleasant. Wind light from S.W. first half, fresh in squalls from N. by W. latter half of watch. Barometer falling slowly.

(Signed) Sam. C. Lemly
Ensign.

From 4 to 8 A.M. Squally and overcast. Blowing fresh from N. Sea rough. Temp of bunkers 80°. Wind decreasing towards end of watch.

(Signed) J. K. Cogswell
Lieut.

From 8 to Merid. Clear and pleasant. Light N[ortherly] breeze during watch. At 11 o'clock a Mexican Gun Boat came in and anchored, in passing she saluted by dipping her colors. Returned the salute. John Tunny (Lds) was placed in double irons for gross carelessness; placing a pan of pork slush in galley oven. Sent an officer onboard the Mexican Gun Boat, "Independencia" to the compliments of the Commanding Officer.

(Signed) J. T. Sullivan
Lieut.

From Merid. to 4 P.M. Cloudy and pleasant. Moderate breeze from N during entire watch. Sea smooth. Temp of bunkers 85°.

(Signed) J. K. Cogswell
Lieut.

From 4 to 8 P.M. Clear and pleasant. N[ortherly] wind, light during first three hours. Clouds moving rapidly to N. Temp of bunkers 85°. During watch an officer of the Governor's Staff came aboard with a letter for Commanding Officer.

(Signed) J. T. Sullivan
Lieut.

From 8 to Midnight. Cloudy and pleasant. Light breeze from N and W. Ship rolling about 2° easily. Temp of bunkers 82°. Extra watch four hours. G. H. Pinder (W.R.B.) Ellison Parker (W.R.B.) Geo Vaughn (W.R.B.) Richard Jones (W.R.C.) W. H. Rich (W.R.B.) Walter Thomas (W.R.B.) Extra watch two hours. J.C. Sills (Boy) Geo Hermance (Boy) Geo H. Fisher (Boy) Herman Meyer (Boy)

(Signed) J. K. Cogswell
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

Record of the sail the vessel is
under at end of watch.

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	o	'	"
Longitude by D. R. at Noon	o	'	"
Latitude by Observations at Noon ⊕	o	'	"
Longitude by Chronometer from Forenoon Observations ⊕	o	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ⊕ observed at Sunrise	o	"	"
Variation of the Compass by Azimuth ⊕ observed at	o	"	"
Water expended during the preceding 24 hours			243 gallons
Water		during the preceding 24 hours	"
Water remaining on hand fit for me at Noon			1894 "
Coal consumed during the preceding 24 hours	tons	275	lbs.
Coal remaining on hand at Noon	90	"	965 "

Longitude by Chronometer from Afternoon Observations ☉	0	1	11
Longitude by Chronometer Observations]	0	1	11
Variation of the Compass by Amplitude observed at Sunset	0	1	11
Variation of the Compass by at	0	1	11

under the command of Commander W. Scott Schley
Sunday February 25th, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy. Light airs from S and W. W. H. Johnson (W.O.C.) stood four hours extra duty on quarter deck, by order of Commanding Officer.

(Signed) J. T. Sullivan
Lieut.

From 4 to 8 A.M. Clear. Pleasant. Light breeze from S and W. Cum clouds. W. H. Simms (W.R.S.) stood 1 1/2 hours extra duty on quarter deck, by order of Commanding Officer. Temp of bunkers 87°.

(Signed) Richard G. Davenport
Lieut.

From 8 to Merid. Clear and pleasant, light airs from N.E. At 9.45 inspected Divisions at quarters, and at ten Commanding Officer inspected ship and crew. Confined Benj T. Cox (Str-Std) in double irons, full rations, to await trial by Court Martial, for attempting to smuggle liquor aboard. Temp of bunkers 82°. Prayers were read by Commanding Officer.

(Signed)

From Merid. to 4 P.M. Clear. Pleasant. Light breeze from N and W. Cir cum clouds. Temp of bunkers 80°.

(Signed) Richard G. Davenport
Lieut.

From 4 to 8 P.M. Clear and pleasant up to last hour of watch, afterward overcast and cloudy. Moderate breeze from N. At sundown sent down topgallant yards. Temp of bunkers 78°. Clouds passing to the N.

(Signed) J. K. Cogswell
Lieut.

From 8 to Midnight. Overcast. Cool. Pleasant. Moderate North wind. Cum clouds passing over from south. Obscured moonlight. By order of Commanding Officer, Geo H. Pindar (W.R.B.) stood four hours extra duty. Temp of bunkers 78°.

(Signed) Richard G. Davenport
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

Record of the sail the vessel is
under at end of watch.

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	0	1	11
Longitude by D. R. at Noon	0	1	11
Latitude by Observations at Noon ⊕	0	1	11
Longitude by Chronometer from Forenoon Observations ⊕	0	1	11
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ⊕ observed at Sunrise	0	11	11
Variation of the Compass by Azimuth ⊕ observed at	0	11	11
Water expended during the preceding 24 hours	295 gallons		
Water	during the preceding 24 hours		
Water remaining on hand fit for me at Noon	1599 11		
Coal consumed during the preceding 24 hours	tons	275	lbs.
Coal remaining on hand at Noon	90	11	690 11

Longitude by Chronometer from Afternoon Observations	⊕	0	1	11
Longitude by Chronometer Observations	]	0	1	11
Variation of the Compass by Amplitude	observed at Sunset	0	1	11
Variation of the Compass by	at	0	1	11

under the command of Commander W. Scott Schley
Monday February 26th, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast and cloudy during first part, afterwards partially clear.
Clouds passing to the N. Temp of bunkers 78°.

(Signed) J. K. Cogswell
Lieut.

From 4 to 8 A.M. Clear and pleasant. Light airs from N and W. Engaged in scraping space and
squaring ratlines. Temp of bunkers 81°.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Merid. Clear. Pleasant. Light N.E. breeze. Cir Cum clouds. Crew engaged in
squaring ratlines and tarring down. John Tunny (Lds) released from confinement by order of
Commanding Officer. At 10.30 Summary Court Martial convened for the trial of Thomas Curley
(2nd C.F.) At 11.30 Court Martial took recess till 1 P.M. Temp of bunkers 82°.

(Signed) Richard G. Davenport
Lieut.

From Merid. to 4 P.M. Clear and pleasant, light breeze from N and W. Engaged in squaring
ratlines and tarring down. Summary Court convened at 1.05. Temp of bunkers 83°.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 P.M. Clear. Warm. Light N[orther]ly breeze. Cir Cum clouds. Men engaged in
tarring down. At 4.03 Summary Court Martial adjourned until 10 A.M. 27th. Temp of bunkers 75°.

(Signed) Richard G. Davenport
Lieut.

From 8 to Midnight. Clear and pleasant during first part, overcast latter part. Bright moonlight.
Moderate breeze from N and W. Temp of bunkers 76°.

(Signed) Wainwright Kellogg
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

Record of the sail the vessel is
under at end of watch.

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	o	'	"
Longitude by D. R. at Noon	o	'	"
Latitude by Observations at Noon \oplus	o	'	"
Longitude by Chronometer from Forenoon Observations \oplus	o	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude \oplus observed at Sunrise	o	"	"
Variation of the Compass by Azimuth \oplus observed at	o	"	"
Water expended during the preceding 24 hours	294 gallons		
Water	during the preceding 24 hours		
Water remaining on hand fit for me at Noon	1905 "		
Coal consumed during the preceding 24 hours	tons	275	lbs.
Coal remaining on hand at Noon	90	"	415 "

Longitude by Chronometer from Afternoon Observations ☉		0	1	11
Longitude by Chronometer Observations]		0	1	11
Variation of the Compass by Amplitude	observed at Sunset	0	1	11
Variation of the Compass by	at	0	1	11

under the command of Commander W. Scott Schley
Tuesday February 27th, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast. Pleasant. Light N[orther]ly breeze. Obscured moonlight. Cir Cum clouds. Temp of bunkers 95°. Clouds passing over from S.

(Signed) Richard G. Davenport
Lieut.

From 4 to 8 A.M. Cloudy but pleasant, wind light from N.W. by N. Temp of bunkers 82°.

(Signed) Sam. C. Lemly
Ensign.

From 8 to Merid. Cloudy, warm. Light breeze from N and W. Engaged in blacking ship outside. At 10 Summary Court Martial convened for trial of Thomas Curley (2nd C.F.) At 11.30 Court adjourned till 1 P.M.

(Signed) Wainwright Kellogg
Lieut.

From Merid. to 4 P.M. Cloudy and warm. Light N.E[aster]ly airs. Blacking ship outside. At 1 Summary Court Martial convened for trial of Benj T. Cox (Str Std) Temp of bunkers 80°.

(Signed) Sam. C. Lemly
Ensign.

From 4 to 8 P.M. Overcast, warm. Light breeze from N. and E. At 4.30 Court Martial adjourned. Finished blacking outside. Temp of bunkers 78°.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Midnight. Overcast but pleasant. Calm. Dim moonlight. Temp of bunkers 75°.

(Signed) Sam. C. Lemly
Ensign.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. ait'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M																
1				WSW	0-1		30.02	74	74	73		bc	Cum Nimb	2		
2				WNW	"			"	"	"		"	"	3		
3				"	2			"	"	"		"	"	1		
4				"	1			"	"	"		"	"	2		
5				Calm	0			"	"	74		oc	"	0		
6				"	"			"	"	"		"	"	"		
7				"	"			"	"	"		"	"	"		
8				"	"			"	"	"		ord	"	"		
9				W	1			75	75	"		oc	"	"		
10				"	"			78	78	75		"	"	"		
11				Calm	0			77	77	"		"	"	"		
Noon				E	1			"	"	76		"	"	"		

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ⊕	°	'	"
Longitude by Chronometer from Forenoon Observations ⊕	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ⊕ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ⊕ observed at	°	"	"
Water expended during the preceding 24 hours			250 gallons
Water Rained during the preceding 24 hours			1000 "
Water remaining on hand fit for me at Noon			2655 "
Coal consumed during the preceding 24 hours	tons	275	lbs.
Coal remaining on hand at Noon	90	"	140 "

PM									
1	E	1	29.92	77	77	76	oc	Cum Nimb	0
2	"	"	29.90	"	"	"	"	"	"
3	"	"	"	"	"	"	"	"	"
4	"	"	29.98	"	"	"	"	"	"
5	"	"	"	78	78	77	"	"	"
6	"	"	"	"	"	"	"	"	"
7	"	"	"	"	"	"	"	"	"
8	"	"	"	"	"	"	"	"	"
9	SSE	"	"	"	"	76	"	"	"
10	"	"	"	"	"	"	"	"	"
11	"	2	"	"	"	"	"	"	"
Mid.	"	"	"	76	"	"	bc	Cir Cum	2

Longitude by Chronometer from Afternoon Observations ☉	0	1	11
Longitude by Chronometer Observations]	0	1	11
Variation of the Compass by Amplitude observed at Sunset	0	1	11
Variation of the Compass by at	0	1	11

under the command of Commander W. Scott Schley
Wednesday February 28th, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy, warm. Light breeze from W.N.W. Obscured moonlight.
Temp of bunkers 78°.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 A.M. Overcast, warm. Drizzling rain last hour of watch. Calm. Temp of bunkers 83°.

(Signed) J. T. Sullivan
Lieut.

From 8 to Merid. Overcast and warm, light airs and calm. Received onboard 1000 gall's fresh water. English mail steamer "Ebro" came in, and anchored on port quarter of this vessel. Temp of bunkers 78°.

(Signed) Sam. C. Lemly
Ensign.

From Merid. to 4 P.M. Overcast, warm. Light E[aster]ly airs. An officer from the Mexican Gunboat returned the call of Commanding Officer. Temp of bunkers 80°.

(Signed) J. T. Sullivan
Lieut.

From 4 to 8 P.M. Overcast and warm, with light breeze from E. Received onboard in Department of Construction 150 lbs white lead paint. 6 gall's linseed oil. 9 gall's spirits turpentine. 150 feet white pine. One piece zapole wood 5in x 5 in, 20 feet long. Moon rose at 7.25. A small steamer came in at 7.45. Temp of bunkers 78°.

(Signed) Sam. C. Lemly
Ensign.

From 8 to Midnight. Overcast. Damp. Light S.E[aster]ly airs. Cleaned up during latter part of watch. Bright moonlight. Temp of bunkers 78°.

(Signed) J. T. Sullivan
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Vera Cruz, Mexico

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. air'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1				Calm	0		29.86	75	75	75		oc	Cum Nimb	0		
2				"	"		"	"	"	"		"	"	"		
3				"	"		"	"	"	"		"	"	"		
4				"	"		"	"	"	"		"	"	"		
5				"	"		29.84	"	"	"		"	"	"		
6				"	"		29.86	"	"	74		bc	"	1		
7				"	"		29.87	"	"	"		"	Cir Cum Nimb	2		
8				"	"		29.88	74	74	"		"	"	1		
9				N by W	2		"	"	"	"		oc	Cum Nimb	0		
10				"	4		29.90	"	"	"		"	"	"		
11				"	5-6		29.88	"	73	73		bc	Cir Cum	4		
Noon				N	"		"	73	"	72		Bcq	"	5		
Distance run by Log since preceding Noon																
											knots	fathoms.				
Latitude by D. R. at Noon											0	"	"	"	"	
Longitude by D. R. at Noon											0	"	"	"	"	
Latitude by Observations at Noon ⊕											0	"	"	"	"	
Longitude by Chronometer from Forenoon Observations ⊕											0	"	"	"	"	
Current during the time											knots	fms. per hour, setting to the				
Variation of the Compass by Amplitude ⊕ observed at Sunrise											0	"	"	"	"	
Variation of the Compass by Azimuth ⊕ observed at											0	"	"	"	"	
Water expended during the preceding 24 hours											250 gallons					
Water											during the preceding 24 hours					
Water remaining on hand fit for me at Noon											2405					
Coal consumed during the preceding 24 hours											tons	275	lbs.			
Coal remaining on hand at Noon											89	"	2705			
PM																
1				N	4-5		29.89	73	73	72		bcq	Cir Cum	5		
2				"	5		29.86	"	72	71		"	Cir Cum Nimb	3		
3				"	"		"	72	"	"		"	"	2		
4				"	6		"	"	"	"		"	"	3		
5				"	5-6		29.88	71	71	70		"	"	4		
6				NNW	"		29.90	"	"	"		ocq	Cir Cum	0		
7				"	5-7		29.92	70	70	"		"	"	"		
8				"	4-6		"	"	71	"		"	"	"		
9				N by W	5-6		29.97	"	72	71		"	Cum Nimb	"		
10				"	4-5		29.98	71	"	"		bcq	"	1		
11				"	3		29.99	"	"	"		"	Cir Cum Nimb	4		
Mid.				"	3-4		30.00	"	"	"		"	"	1		
Longitude by Chronometer from Afternoon Observations ⊕											0	"	"	"	"	
Longitude by Chronometer Observations											0	"	"	"	"	
Variation of the Compass by Amplitude											0	"	"	"	"	
Variation of the Compass by											0	"	"	"	"	

under the command of Commander W. Scott Schley
Thursday March 1st, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast and cloudy. Calm. Temp of bunkers 83°.

(Signed) Sam. C. Lemly
Ensign.

From 4 to 8 A.M. Weather cloudy and damp. Calm first part of watch. At 6.30 wind came out from the N gradually increasing. Clouds passing to the E. Temp of bunkers 84°.

(Signed) J. K. Cogswell
Lieut.

From 8 to Merid. Cloudy and pleasant. Light airs from N and W first two hours. Strong wind from N last two hours. At 9.30 exercised at quarters. 1st and 2nd Divisions great guns. Marine Guard small arms. Temp of bunkers 76°.

(Signed) J. T. Sullivan
Lieut.

From Merid. to 4 P.M. Partially overcast, but pleasant during entire watch. Strong N wind. Squally latter part. Barometer steady during latter part, falling first of watch. Sailmaker gang engaged in altering Main trysail. Cleaned bilges fore and aft. Carpenter gang engaged in repairing main force pump. Temp of bunker 74°. The "City of Havana", mail steamer from New York, arrived at 3. Scud passing to the S.

(Signed) J. K. Cogswell
Lieut.

From 4 to 8 P.M. Overcast. Pleasant. Fresh squalls from N and W. At 6 lowered Topgallant masts. Temp of bunkers 76°.

(Signed) J. T. Sullivan
Lieut.

From 8 to Midnight. Weather cloudy. Wind from the N and W blowing fresh squalls first part of watch, decreasing towards end of watch. Lightening to the N and W. Barometer rising. Clouds passing to the E. Temp of bunkers 77°.

(Signed) J. K. Cogswell
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Vera Cruz, Mexico

Hour.	Knots.	Fathoms.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A.M.														
1			NNW	3-4		29.98	71	72	71	bc	Cum Nimb	1		
2			"	"		"	"	"	"	oc	"	0		
3			"	"		"	70	71	70	"	"	"		
4			"	"		"	"	"	"	"	"	"		
5			"	3		"	71	"	"	bc	"	2		
6			"	"		30.93	"	"	71	oc	"	0		
7			"	2		30.06	"	72	72	bc	"	1		
8			"	3		30.07	"	"	"	"	"	4		
9			N	"		30.08	"	73	"	"	Cir Cum	6		
10			"	2-3		30.09	72	"	"	"	"	"		
11			"	"		"	73	74	73	"	"	"		
Noon			"	"		"	"	"	"	"	"	"		

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	' "
Longitude by D. R. at Noon	°	' "
Latitude by Observations at Noon ⊕	°	' "
Longitude by Chronometer from Forenoon Observations ⊕	°	' "
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ⊕ observed at Sunrise	°	" "
Variation of the Compass by Azimuth ⊕ observed at	°	" "
Water expended during the preceding 24 hours		275 gallons
Water	during the preceding 24 hours	"
Water remaining on hand fit for me at Noon		2130 "
Coal consumed during the preceding 24 hours	tons	275 lbs.
Coal remaining on hand at Noon	89	1820 "

P.M.														
1			N	3		30.07	73	73	73	bc	Cir Cum	1		
2			"	3-4		30.06	"	"	"	"	"	"		
3			"	"		"	"	"	"	"	"	2		
4			"	"		"	"	"	"	"	"	3		
5			"	2		30.07	"	74	"	"	"	7		
6			"	"		30.06	"	73	72	"	"	5		
7			"	"		"	72	72	71	"	Cir Cum Nimb	2		
8			"	1-2		30.08	"	"	"	"	"	1		
9			"	1		"	"	73	72	"	"	3		
10			"	1-2		"	73	"	73	"	Cir Cum	6		
11			NNW	2		30.10	"	"	"	"	"	9		
Mid.			SW	"		30.09	"	"	"	"	"	"		

Longitude by Chronometer from Afternoon Observations ⊕	°	' "
Longitude by Chronometer Observations]	°	' "
Variation of the Compass by Amplitude	°	' "
Variation of the Compass by	°	' "

under the command of Commander W. Scott Schley
Friday March 2nd, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast. Damp. Fresh N.N.W. wind. Temp of bunkers 75°.

(Signed) J. T. Sullivan
Lieut.

From 4 to 8 A.M. Overcast. Pleasant. Moderate N.N.W. breeze. Cum Nimb clouds. Received onboard 160 lbs fresh beef, 125 lbs vegetables. At 8, fidded Topgallant masts, crossed Topgallant yards, and loosed sail. Temp of bunkers 74°.

(Signed) Richard G. Davenport
Lieut.

From 8 to Merid. Clear and pleasant. Moderate breeze from N. At 9.45 exercised at General Quarters. Time casting loose. 1st Div 3 m[inutes] 15 s[econds]. 2nd Div 1 m 5 s. Powder Div 1 m 45 s. Time securing. 1st Div 7 m 2 s. 2nd Div 3 m 30 s. Powder Div 3 m 45 s. Extended courtesies of port to Mexican Gun Boat "Libestat" [Libertad]. Received official mail from United States fur steamer. Carpenters gang engaged in repairing pumps. Temp of bunkers 72°. Steamer flying English colors came in and anchored during watch.

(Signed) J. K. Cogswell
Lieut.

From Merid. to 4 P.M. Cloudy. Cool. Pleasant. Moderate N[orther]ly breeze. Cir cum clouds. Strong S. current. At 1.15 furled all sail, except main sail and main trysail. At 3.30 furled and unbent Main sail and Main trysail, bent another Main trysail. Temp of bunkers 74°.

(Signed) Richard G. Davenport
Lieut.

From 4 to 8 P.M. Clear and pleasant during first part, afterwards overcast and cloudy. Light breeze from N. At 5.30 called all hands to muster and published proceedings of Summary Court Martial convened onboard of this ship. Thomas Curley (2.C.F.) convicted of assaulting another man with a knife. Sentenced to 30 days solitary confinement on bread and water, double irons, full ration every five days. Sentence commuted by Commanding Officer, to 15 days confinement, single irons, full rations every 3 days. Benj. T. Cox (Str-Std) charged with attempting to smuggle liquor. Discharged on account of irregularities in specifications. At sundown sent down Topgallant yards. Temp of bunkers 76°. Barometer rising slowly. Confined Thomas Curley (2.C.F.) in single irons, full ration every three days, according to sentence.

(Signed) J. K. Cogswell
Lieut.

From 8 to Midnight. Cloudy. Cool. Pleasant. Cir cum nimb clouds passing to N. Light airs from N. At 9.18 moon rose. Bright moonlight. Gave Frank L. Handly (Boy) four hours extra duty by order of Commanding Officer. Temp of bunkers 74°.

(Signed) Richard G. Davenport
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

Record of the sail the vessel is
under at end of watch.

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	0	1	11
Longitude by D. R. at Noon	0	1	11
Latitude by Observations at Noon ⊕	0	1	11
Longitude by Chronometer from Forenoon Observations ⊕	0	1	11
Current during the time	knots		fms. per hour, setting to the
Variation of the Compass by Amplitude ⊕ observed at Sunrise	0		11
Variation of the Compass by Azimuth ⊕ observed at	0		11
Water expended during the preceding 24 hours			257 gallons
Water			1873
Water remaining on hand fit for me at Noon			1873
Coal consumed during the preceding 24 hours	tons	275	lbs.
Coal remaining on hand at Noon	89	1555	

Longitude by Chronometer from Afternoon Observations ☉	0	1	11
Longitude by Chronometer Observations]	0	1	11
Variation of the Compass by Amplitude observed at Sunset	0	1	11
Variation of the Compass by at	0	1	11

under the command of Commander W. Scott Schley
Saturday March 3rd, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant, bright moonlight during first and last hours. Overcast and cloudy during remainder of watch. Light airs from S and W. Barometer falling slowly. Temp of bunkers 72°.

(Signed) J. K. Cogswell
Lieut.

From 4 to 8 A.M. Clear and pleasant, first part. Light airs from S and W. At service half masted colors. At 8 crossed Topgallant yards. Overcast last hours.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Merid. Cloudy. Pleasant. Light breeze from S.S.W. Cum nimb clouds. Commanding Officer of the "Independencia" paid official visit to the ship. Temp of bunkers 76°.

(Signed) Richard G. Davenport
Lieut.

From Merid. to 4 P.M. Clear and pleasant. Moderate breeze from E. At 3.30 dragged stern anchor. Ran our hawser to buoy astern and brought up.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 P.M. Clear. Warm. Fresh breeze from E. Cir Cum clouds. Engaged in securing stern fasts to buoy. At sundown sent down Topgallant yards. Temp of bunkers 75°.

(Signed) Richard G. Davenport
Lieut.

From 8 to Midnight. Clear and pleasant. Light airs from E shifting to W during last hour. Bright moonlight latter part. Temp of bunkers 74°.

(Signed) Wainwright Kellogg
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Vera Cruz, Mexico

Hour.	Knots.	Fathoms.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.	Leeway.	Height in inches.	Ther. atfd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A.M														
1			S	1		30.05	72	72	72		o	Cum Nimb	0	
2			"	"		"	73	73	73		bc	"	1	
3			WSW	"		"	"	"	"		"	"	4	
4			"	"		30.03	"	"	72		"	Cum Str	9	
5			Calm	0		30.02	72	72	71		"	"	"	
6			"	"		30.05	"	"	"		bcm	"	6	
7			"	"		30.07	"	"	72		f	"	"	
8			"	"		30.09	"	"	"		bc	"	"	
9			"	"		"	73	73	71		"	Cum	9	
10			"	"		30.10	74	74	72		"	"	"	
11			E	0-1		"	"	75	75		"	Cir Cum	8	
Noon			E by N	2		30.07	75	76	"		"	"	9	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	o	' "
Longitude by D. R. at Noon	o	' "
Latitude by Observations at Noon ⊕	o	' "
Longitude by Chronometer from Forenoon Observations ⊕	o	' "
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ⊕ observed at Sunrise	o	" "
Variation of the Compass by Azimuth ⊕ observed at	o	" "
Water expended during the preceding 24 hours		250 gallons
Water		during the preceding 24 hours
Water remaining on hand fit for me at Noon		1623 "
Coal consumed during the preceding 24 hours	tons	275 lbs.
Coal remaining on hand at Noon	89	" 1280 "

PM														
1			NE by E	3		30.04	75	76	75		bc	Cir Cum	9	
2			"	"		30.02	75	"	"		"	"	"	
3			"	"		30.00	76	77	76		"	"	"	
4			"	"		29.98	"	"	77		"	"	"	
5			NE	2		30.00	77	78	78		"	"	"	
6			"	1-2		29.99	"	77	77		"	Cum Str	"	
7			"	0-1		30.00	76	76	75		"	"	"	
8			N by E	"		"	75	"	"		"	"	"	
9			NW by N	2		29.98	76	"	76		"	Cum Nimb	4	
10			"	"		"	"	"	"		oc	"	0	
11			"	1		30.02	"	"	"		"	"	"	
Mid.			"	"		30.06	"	"	"		bc	"	3	

Longitude by Chronometer from Afternoon Observations ⊕	o	' "
Longitude by Chronometer Observations	o	' "
Variation of the Compass by Amplitude	o	' "
Variation of the Compass by	o	' "

under the command of Commander W. Scott Schley
Sunday March 4th, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear. Cool. Pleasant. Heavy dew. Bright moonlight. Light variable airs. Cum clouds passing over from S to N. Temp of bunkers 74°.

(Signed) Richard G. Davenport
Lieut.

From 4 to 8 A.M. Pleasant. Calm. Foggy third hour of watch. Hove up steam anchor and planted it on starboard quarter, bent bow line to kedge and planted it in same direction, E.N.E., cast off stern fast from buoy. Temp of bunkers 74°. Received fresh provisions for ships company. At 8 crossed topgallant yards.

(Signed) Sam. C. Lemly
Ensign.

From 8 to Merid. Clear, pleasant, calm. At 10 Commanding Officer inspected ship and crew at quarters. Afterwards, called all hands to muster, read Articles of War, circulars from Navy Department concerning death of Rear Admiral's Wilkes and Alden, and Squadron General Order No. 9. Prayers were read by Commanding Officer. Mustered ships company.

(Signed) Wainwright Kellogg
Lieut.

From Merid. to 4 P.M. Clear and pleasant. Moderate breeze from N.E. by E. Barometer falling slowly. Temp of bunkers 76°.

(Signed) Sam. C. Lemly
Ensign.

From 4 to 8 P.M. Clear and pleasant, warm. Light airs from N.E. At sunset sent down topgallant yards.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Midnight. Clear and pleasant, with light breeze from NW. by N. Temp of bunkers 84°.

(Signed) Sam. C. Lemly
Ensign.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Vera Cruz, Mexico

Hour.	Knots.	Fathoms.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A.M														
1			NW	2		30.08	76	75	75		bc	Cum Nimb	6	
2			NNW	1-2		"	75	74	73		"	"	7	
3			"	"		30.07	74	"	"		"	"	9	
4			Calm	0		"	"	73	73		"	"	"	
5			"	"		30.04	"	74	74		"	"	6	
6			"	"		30.06	"	"	"		oc	"	0	
7			"	"		30.08	"	"	"		"	"	"	
8			"	"		30.10	"	"	"		bc	"	8	
9			N	1		30.09	76	75	75		"	Cir Cum	"	
10			"	2		30.01	78	77	76		"	"	"	
11			"	3		"	"	"	"		"	"	7	
Noon			"	2		"	"	"	"		"	"	3	

Distance run by Log since preceding Noon		knots		fathoms.
Latitude by D. R. at Noon		0		"
Longitude by D. R. at Noon		0		"
Latitude by Observations at Noon ⊕		0		"
Longitude by Chronometer from Forenoon Observations ⊕		0		"
Current during the time	knots		fms. per hour, setting to the	
Variation of the Compass by Amplitude ⊕ observed at Sunrise		0		"
Variation of the Compass by Azimuth ⊕ observed at		0		"
Water expended during the preceding 24 hours				258 gallons
Water	during the preceding 24 hours			"
Water remaining on hand fit for me at Noon				1365 "
Coal consumed during the preceding 24 hours		tons	275	lbs.
Coal remaining on hand at Noon		89	"	1005 "

PM														
1			N	2		30.08	76	77	76		bc	Cum	8	
2			"	3		30.06	"	"	"		"	"	"	
3			"	"		"	"	"	"		"	"	9	
4			"	"		"	"	"	"		"	"	"	
5			"	"		30.08	"	76	"		"	"	8	
6			"	"		30.10	"	"	"		"	"	"	
7			"	4		30.12	"	"	"		"	"	"	
8			"	3		"	"	"	"		"	"	4	
9			"	"		30.16	75	"	"		"	"	3	
10			"	"		30.14	76	"	"		"	"	"	
11			"	2		"	"	"	"		"	Cum Nimb	"	
Mid.			"	4		30.16	74	74	74		"	"	4	

Longitude by Chronometer from Afternoon Observations ⊕		0		"
Longitude by Chronometer Observations		0		"
Variation of the Compass by Amplitude	observed at Sunset	0		"
Variation of the Compass by	at	0		"

under the command of Commander W. Scott Schley
Monday March 5th, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant. Light airs from N and W. Heavy dew. Moonlight.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 A.M. Clear first and last hours; overcast rest of watch. Calm. At 8 crossed topgallant yards. Temp of bunkers 78°.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Merid. Warm, with light breeze from N, clouding over last hour. At 9.30 sounded call to general quarters, and exercised without powder. Cast loose. Navigator Div 2 m[inutes] 30 s[econds]. 1st Div 2 m 45 s. 2nd Div 2 m 45 s. Powder Div 4 m 45 s. Engineer Div 5 m 45 s. Secured at 10.09. Broke out starboard shot locker. Temp of bunkers 74°.

(Signed) Sam. C. Lemly
Ensign.

From Merid. to 4 P.M. Clear, warm. Light breeze from N. Exercised Co. B at target practice. The Commanding Officer of the Mexican Gunboat called on Commanding Officer. Temp of bunkers 74°. Cut a trap through flooring in starboard shot locker and cleaned the bilge in the run.

(Signed) J. T. Sullivan
Lieut.

From 4 to 8 P.M. Clear and warm, fresh breeze from N. At sunset sent down topgallant masts and topgallant yards. Engaged during watch in setting up topmast back stays, and cleaning bilge under starboard shot locker. Temp of bunkers 76°.

(Signed) Sam. C. Lemly
Ensign.

From 8 to Midnight. Clear. Damp. Light breeze from N, increasing latter part of watch. Temp of bunkers 76°.

(Signed) J. T. Sullivan
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Vera Cruz, Mexico

Hour.	Knots.	Fathoms.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A.M.														
1			N	2		30.16	75	75	75		bc	Cir Cum	8	
2			"	3		"	"	"	"		"	"	"	
3			"	"		"	"	"	"		"	"	7	
4			"	3-2		"	"	"	"		bcq	"	8	
5			"	3		30.10	74	74	74		"	Cum	"	
6			"	3-4		30.18	"	"	"		"	Cum Nimb	3	
7			"	"		30.19	"	"	73		"	"	"	
8			"	4-5		30.23	73	"	"		bcm	"	4	
9			NNW	"		30.25	"	73	72		Bcq	"	7	
10			"	"		"	"	"	"		"	"	"	
11			"	4		"	"	"	"		bc	"	"	
Noon			"	"		30.26	74	74	73		"	"	6	

Distance run by Log since preceding Noon		knots		fathoms.
Latitude by D. R. at Noon		0		"
Longitude by D. R. at Noon		0		"
Latitude by Observations at Noon ⊕		0		"
Longitude by Chronometer from Forenoon Observations ⊕		0		"
Current during the time	knots		fms. per hour, setting to the	
Variation of the Compass by Amplitude ⊕ observed at Sunrise		0		"
Variation of the Compass by Azimuth ⊕ observed at		0		"
Water expended during the preceding 24 hours				258 gallons
Water	during the preceding 24 hours			"
Water remaining on hand fit for me at Noon				1107 "
Coal consumed during the preceding 24 hours		tons	275	lbs.
Coal remaining on hand at Noon		89	"	730 "

PM														
1			N by W	3		30.21	74	75	74		bc	Cir Cum	8	
2			"	"		30.17	"	"	"		"	"	"	
3			"	"		30.16	"	"	"		"	"	9	
4			"	"		30.14	75	"	"		"	Cum	"	
5			"	4		30.12	74	74	75		"	"	"	
6			"	3		"	75	75	"		"	"	"	
7			"	2		30.14	72	72	72		"	"	"	
8			"	3		"	"	"	"		"	"	"	
9			"	2		30.16	73	73	73		"	Cum Nimb	3	
10			"	"		30.17	"	"	72		"	"	"	
11			WNW	"		"	72	72	71		"	"	"	
Mid.			"	"		"	"	"	"		"	"	"	

Longitude by Chronometer from Afternoon Observations ⊕		0		"
Longitude by Chronometer Observations		0		"
Variation of the Compass by Amplitude	observed at Sunset	0		"
Variation of the Compass by	at	0		"

under the command of Commander W. Scott Schley
Tuesday March 6th, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant. Moderate breeze from N, fresh in squalls last hour. Temp of bunkers 78°.

(Signed) Sam. C. Lemly
Ensign.

From 4 to 8 A.M. Cloudy squally and damp. Fresh breeze from the N. Moderate sea. Temp of bunkers 76°.

(Signed) J. K. Cogswell
Lieut.

From 8 to Merid. Clear and pleasant. Moderate breeze from N.N.W. At 9.40 inspected at quarters. Had Dress Parade and drilled the Battalion by the Manual. Temp of bunkers 76°. Condemned 6 lbs butter (scrapings and leavings) no marks, to be turned into slush fund.

(Signed) J. T. Sullivan
Lieut.

From Merid. to 4 P.M. Clear and pleasant. Moderate breeze from N. by W. Barometer falling slowly. Temp of bunkers 78°. Commanding Officer paid official visit to Mexican Gunboat "Libertad".

(Signed) J. K. Cogswell
Lieut.

From 4 to 8 P.M. Clear and pleasant. Light breeze from N. by W. At 6.07 sent down topgallant yards and topgallant masts. Temp of bunkers 73.0.

(Signed) J. T. Sullivan
Lieut.

From 8 to Midnight. Cloudy and pleasant. Gentle breeze from N. Heavy dew. Temp of bunkers 74°.

(Signed) J. K. Cogswell
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

Record of the sail the vessel is
under at end of watch.

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ⊕	°	'	"
Longitude by Chronometer from Forenoon Observations ⊕	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ⊕ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ⊕ observed at	°	"	"
Water expended during the preceding 24 hours			259 gallons
Water		during the preceding 24 hours	"
Water remaining on hand fit for me at Noon			849 "
Coal consumed during the preceding 24 hours	tons		275 lbs.
Coal remaining on hand at Noon	89	"	455

PM									
1	ESE	4	29.97	75	76	75	bc	Cum	9
2	"	"	29.92	"	"	"	"	"	"
3	"	"	29.88	"	"	"	"	"	"
4	"	"	29.87	76	77	76	"	"	"
5	S	3	"	"	78	"	"	"	"
6	"	2-3	29.88	"	76	74	"	"	"
7	"	"	"	"	"	75	"	"	"
8	"	"	29.89	"	"	76	"	"	"
9	"	"	29.90	"	75	75	"	Str	"
10	"	"	"	71	76	"	"	"	"
11	"	"	"	70	"	"	"	"	"
Mid	"	"	"	"	"	"	"	"	"

Longitude by Chronometer from Afternoon Observations ☉	0	1	2
Longitude by Chronometer Observations]	0	1	2
Variation of the Compass by Amplitude	0	1	2
observed at Sunset			
Variation of the Compass by	0	1	2
at			

under the command of Commander W. Scott Schley
Wednesday March 7th, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear, damp. Light airs from S.W. Gave A. T. Leigh (Boy) and F. L. Handly (Boy) four hours extra anchor watch, by order of Commanding Officer.

(Signed) J. T. Sullivan
Lieut.

From 4 to 8 A.M. Clear. Pleasant. Light S.E. breeze. Cum Str clouds. Received onboard 160 lbs fresh beef and 150 lbs vegetables. At 8 fidded topgallant masts and crossed topgallant yards. Temp of bunkers 78°.

(Signed) Richard G. Davenport
Lieut.

From 8 to Merid. Clear and pleasant, light airs from S during first part, afterwards from S and E. At 9.30 inspected at quarters and exercised Div's as follows. 1st and 2nd Div's great guns, Master and Powder Div, stations. Exercised Co A at small arms target practice. Temp of bunkers 74°. Jas E. Butter (Sea) and Wm Driscoll (Sea) left the launch, without permission, while ashore on duty.

(Signed) J. K. Cogswell
Lieut.

From Merid. to 4 P.M. Clear. Warm. Light breeze from E.S.E. Cumulus clouds. Exercised at target practice with gatling gun. Expended 2000 rounds, cal[iber], 50. Sent ashore to Chief of Police a reward of ten dollars each for the apprehension and delivery aboard, of Jas E. Butter (Sea) and Wm Driscoll (Sea) absent without leave. Temp of bunkers 74°.

(Signed) Richard G. Davenport
Lieut.

From 4 to 8 P.M. Clear and pleasant, light breeze from E. Barometer steady. At sunset sent down topgallant masts and yards. Placed F. C. Jones (1st C.B.) in double irons for using obscene language to Officer of Deck. Temp of bunkers 71°. Mail steamer "City of Havana" and "City of Merida" left at 5 for the United States.

(Signed) J. K. Cogswell
Lieut.

From 8 to Midnight. Clear. Pleasant. Heavy dew. Light E[aster]ly breeze. Stratus clouds. Temp of bunkers 74°.

(Signed) Richard G. Davenport
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

Record of the sail the vessel is
under at end of watch.

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	0	"	"
Longitude by D. R. at Noon	0	"	"
Latitude by Observations at Noon ⊕	0	"	"
Longitude by Chronometer from Forenoon Observations ⊕	0	"	"
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊕ observed at Sunrise	0	"	"
Variation of the Compass by Azimuth ⊕ observed at	0	"	"
Water expended during the preceding 24 hours			259 gallons
Water during the preceding 24 hours			"
Water remaining on hand fit for me at Noon			595 "
Coal consumed during the preceding 24 hours	tons	275	lbs.
Coal remaining on hand at Noon	103	"	1216

Longitude by Chronometer from Afternoon Observations ☉	0	1	11
Longitude by Chronometer Observations]	0	1	11
Variation of the Compass by Amplitude observed at Sunset	0	1	11
Variation of the Compass by at	0	1	11

under the command of Commander W. Scott Schley
Thursday March 8th, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast and calm. Wet and foggy latter half of watch. Temp of bunkers 74°.

(Signed) J. K. Cogswell
Lieut.

From 4 to 8 A.M. Misty during first part, afterwards clear and pleasant. At colors sent up main topgallant mast and left fore [topgallant] housed.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Merid. Clear. Warm. Light E[aster]ly breeze. Cumulus clouds. At 9.30 sent up fore topgallant mast. Inspected at quarters and exercised 1st and 2nd Divisions single sticks. Exercised Marine Guard small arms target practice. Exhausted 110 rounds. Temp of bunkers 76°.

(Signed) Richard G. Davenport
Lieut.

From Merid. to 4 P.M. Clear and warm. Light breeze from E shifting to N and W. Engaged in coaling ship. Received onboard 13 tons. Threw overboard 47 lbs bread dust condemned by board of survey. Received onboard 1000 galls fresh water. Wind freshening during latter part.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 P.M. Clear. Warm. Blowing a moderate gale, with occasional heavy gusts from N. At 4.40 sent down topgallant masts. Temp of bunkers 75°. Heat lightening to S.

(Signed) Richard G. Davenport
Lieut.

From 8 to Midnight. Clear. Warm. Moderate gale from N, with occasional squalls. Wind decreasing during latter part of watch.

(Signed) Wainwright Kellogg
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.	Height in inches.	Ther. at/d.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.															
1				N	4	29.97	75	75	74	bc	Cir Cum	8			
2				"	"	"	74	73	73	"	"	9			
3				"	"	"	"	"	72	"	"	"			
4				"	3	"	"	75	"	"	"	"			
5				NNW	"	"	"	"	74	"	"	"			
6				"	"	30.02	"	"	"	"	"	8			
7				"	"	30.06	"	"	"	"	"	"			
8				"	"	30.10	"	"	"	"	"	6			
9				NW by N	"	30.14	"	76	75	"	"	2			
10				"	2	30.16	75	"	"	"	"	3			
11				NNW	4	30.14	76	"	"	"	"	"			
Noon				N by W	"	30.13	"	77	"	"	"	6			

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	0	1	"
Longitude by D. R. at Noon	0	1	"
Latitude by Observations at Noon ⊕	0	1	"
Longitude by Chronometer from Forenoon Observations ⊕	0	1	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ⊕ observed at Sunrise	0	"	"
Variation of the Compass by Azimuth ⊕ observed at	0	"	"
Water expended during the preceding 24 hours			254 gallons
Water Received during the preceding 24 hours			1000 "
Water remaining on hand fit for me at Noon			1341 "
Coal consumed during the preceding 24 hours	tons	275	lbs.
Coal remaining on hand at Noon	103	"	941 "

PM									
1	N by W	3	30.12	76	77	75	bc	Cir Cum	6
2	" "	"	30.10	"	"	"	"	"	"
3	" "	"	30.08	"	"	"	Cum	"	5
4	" "	4	30.06	"	"	"	"	"	3
5	N	"	30.10	"	75	74	o	Cum Nimb	0
6	" "	"	30.13	74	"	"	bc	Cum	8
7	" "	"	30.14	"	"	"	o	"	0
8	" "	3	30.15	"	"	73	bc	Cum	8
9	N by W	"	30.16	75	"	74	"	"	"
10	" "	"	"	"	"	"	"	"	9
11	" "	"	"	"	"	"	"	"	"
Mid.	" "	"	"	"	"	"	"	"	"

Longitude by Chronometer from Afternoon Observations ☉		0	1	11
Longitude by Chronometer Observations]		0	1	11
Variation of the Compass by Amplitude	observed at Sunset	0	1	11
Variation of the Compass by	at	0	1	11

under the command of Commander W. Scott Schley
Friday March 9th, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear. Pleasant. Fresh N[orther]ly breeze. Cirrus Cumulus clouds. Bright starlight. Moon rose at 2.45. Gave G. H. Pinder (Lds) and F. L. Handly (Boy) each four hours extra watch. Temp of bunkers 74°.

(Signed) Richard G. Davenport
Lieut.

From 4 to 8 A.M. Clear and pleasant, fresh breeze from N.N.W. Received onboard for use of crew, 149 lbs fresh beef and 125 lbs vegetables.

(Signed) Sam. C. Lemly
Ensign.

From 8 to Merid. Clear and pleasant. Moderate breeze from N and W. At 9.30 mustered at quarters.

(Signed) Wainwright Kellogg
Lieut.

From Merid. to 4 P.M. Pleasant, with moderate breeze from N. by W. Mist on horizon to N. last hour. Quarterly Board of Survey condemned one case of tomatoes, to be thrown overboard. Lieut. R. G. Davenport, left the ship on leave of absence until Thursday 15th inst.

(Signed) Sam. C. Lemly
Ensign.

From 4 to 8 P.M. Overcast, warm, damp. Moderate breeze from N. Paymaster Dennison Hurlburt, left ship on leave of absence until the 15th inst.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Midnight. Clear and pleasant with light breeze from N. by W.

(Signed) Sam. C. Lemly
Ensign.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Vera Cruz, Mexico

Hour.	Knots.	Fathoms.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.															
1			NNW	4		30.18	74	73	72		bc	Cum Nimb	6		
2			"	"		"	"	"	"		"	"	4		
3			"	3		"	"	"	71		"	"	7		
4			NW by N	4		"	"	"	72		o	"	0		
5			N	3		"	73	"	"		"	"	"		
6			"	"		30.17	"	74	73		"	"	"		
7			"	2		30.20	"	"	"		oc	"	1		
8			"	"		30.25	74	"	"		"	"	"		
9			NW	"		"	"	75	74		bc	"	3		
10			"	"		"	75	76	75		"	Cir Cum	5		
11			"	"		30.24	"	"	"		"	"	7		
Noon			"	1-2		30.22	"	"	"		"	"	"		
Distance run by Log since preceding Noon															
										knots	fathoms.				
Latitude by D. R. at Noon										o	i				
Longitude by D. R. at Noon										o	i				
Latitude by Observations at Noon ⊕										o	i				
Longitude by Chronometer from Forenoon Observations ⊕										o	i				
Current during the time										knots	fms. per hour, setting to the				
Variation of the Compass by Amplitude ⊕ observed at Sunrise										o	"				
Variation of the Compass by Azimuth ⊕ observed at										o	"				
Water expended during the preceding 24 hours										252 gallons					
Water										during the preceding 24 hours					
Water remaining on hand fit for me at Noon										1089 "					
Coal consumed during the preceding 24 hours										tons	275	lbs.			
Coal remaining on hand at Noon										123	"	1855	"		
P.M.															
1			N	2		30.22	75	76	75		bc	Cir Cum	9		
2			N by E	"		30.18	76	"	"		"	"	"		
3			NNE	"		30.14	77	77	76		"	"	"		
4			"	"		"	76	"	"		"	"	"		
5			NE by N	"		30.12	77	78	77		"	Cum Nimb	5		
6			"	"		30.14	"	77	"		bcm	"	2		
7			"	1		"	"	"	"		oc	"	0		
8			"	"		"	"	"	"		"	"	"		
9			"	"		30.18	76	"	75		"	"	"		
10			"	"		"	"	"	76		"	"	"		
11			Calm	0		"	"	"	"		"	"	"		
Mid			"	"		"	"	"	"		"	"	"		
Longitude by Chronometer from Afternoon Observations ⊕										o	i				
Longitude by Chronometer Observations										o	i				
Variation of the Compass by Amplitude										o	i				
Variation of the Compass by										o	i				

under the command of Commander W. Scott Schley
Saturday March 10th, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant first part, with fresh breeze from N and W.
Overcast last hour. Barometer steady.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 A.M. Overcast and pleasant. Light breeze from N. Crossed topgallant yards at 8 o'clock.

(Signed) J. T. Sullivan
Lieut.

From 8 to Merid. Clear and pleasant, with light breeze from N.W. Two Mexican hermaphrodite brigs, and also a Mexican stern wheel steamer, went to sea.

(Signed) Sam. C. Lemly
Ensign.

From Merid. to 4 P.M. Clear and pleasant. Light N.N.E[aster]ly airs. Coaling and watering ship. Received 900 galls fresh water.

(Signed) J. T. Sullivan
Lieut.

From 4 to 8 P.M. Cloudy but pleasant, with light breeze from N.E. by N. Finished coaling ship, having received onboard 39 364/2240 tons.

(Signed) Sam. C. Lemly
Ensign.

From 8 to Midnight. Overcast, calm. Last two hours damp.

(Signed) J. T. Sullivan
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Vera Cruz, Mexico

Hour.	Knots.	Fathoms.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.	Leeway.	Height in inches.	Ther. atfd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A.M														
1			N	5		30.16	74	74	72		oc	Cum Nimb	0	
2			"	"		"	"	"	"		bc	"	2	
3			"	"		"	"	"	"		"	"	6	
4			"	"		"	"	"	"		"	Cum	8	
5			"	1-2		30.17	76	75	74		oc	"	0	
6			Calm	0		"	75	"	"		ocd	Cum Nimb	1	
7			W	2		30.16	74	74	"		bcd	Cum	"	
8			NW by W	"		30.20	75	75	"		bc	Cir Cum	"	
9			"	"		30.20	"	76	75		oc	"	0	
10			"	"		"	"	77	76		"	"	"	
11			Calm	0		"	"	77	76		bc	"	5	
Noon			N by E	1		30.18	"	"	"		"	"	7	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	' "
Longitude by D. R. at Noon	°	' "
Latitude by Observations at Noon ⊕	°	' "
Longitude by Chronometer from Forenoon Observations ⊕	°	' "
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊕ observed at Sunrise	°	" "
Variation of the Compass by Azimuth ⊕ observed at	°	" "
Water expended during the preceding 24 hours		253 gallons
Water Received during the preceding 24 hours		900 "
Water remaining on hand fit for me at Noon		1736 "
Coal consumed during the preceding 24 hours	tons	275 lbs.
Coal remaining on hand at Noon	123	" 1580 "

PM														
1			NE by N	1		30.16	77	78	77		bc	Cir Cum	5	
2			NE by E	2-3		30.10	"	"	"		"	"	7	
3			ENE	3		"	"	"	76		"	"	"	
4			E	2-3		30.09	"	77	"		"	"	3	
5			"	3		30.06	76	"	"		"	"	1	
6			ENE	4		"	"	"	"		"	"	"	
7			"	3		"	"	"	"		"	"	"	
8			"	"		30.08	"	"	75		"	"	"	
9			"	2		30.12	"	"	76		"	"	"	
10			"	0-1		30.13	"	"	"		"	"	3	
11			WSW	1		"	"	"	"		"	Cir Cum Nimb	2	
Mid.			"	"		"	"	"	"		"	"	5	

Longitude by Chronometer from Afternoon Observations ⊕	°	' "	
Longitude by Chronometer Observations]	°	' "	
Variation of the Compass by Amplitude observed at Sunset	°	' "	
Variation of the Compass by at	°	' "	

under the command of Commander W. Scott Schley
Sunday March 11th, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy first part, clearing up towards close of watch.

(Signed) Sam. C. Lemly.
Ensign.

From 4 to 8 A.M. Thick mist. Drizzling rain part of watch. Light airs from the W. Temp of bunkers 75°. Received fresh provisions for crew.

(Signed) J. K. Cogswell
Lieut.

From 8 to Merid. Overcast first part, afterwards clear, warm. Light airs from N. and E. At 9.45 had preliminary inspection. At 10, Commanding Officer inspected the ship and crew at quarters. Mustered the crew and held Devine Service.

(Signed) J. T. Sullivan
Lieut.

From Merid. to 4 P.M. Clear and pleasant. Light breeze from N and E, shifting to E. Barometer falling.

(Signed) J. K. Cogswell
Lieut.

From 4 to 8 P.M. Cloudy and pleasant. Damp. Light breeze from E.N.E. At sundown sent down topgallant yards.

(Signed) J. T. Sullivan
Lieut.

From 8 to Midnight. Weather cloudy. Light airs from the E. Ground swell setting in from the S and E. Ship rolling about 3°.

(Signed) J. K. Cogswell
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns,
Vera Cruz, Mexico

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.	Leeway.	Height in inches.	Ther. atfd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1				Calm	0		30.12	76	77	76		bc	Cum Nimb	2		
2				"	"		"	"	"	"		oc	"	0		
3				"	"		"	75	76	75		"	"	"		
4				"	"		"	"	"	"		"	"	"		
5				"	"		30.13	76	"	"		bc	"	4		
6				"	"		"	"	77	76		"	Cir Cum	5		
7				NE	0-1		30.15	77	78	"		"	"	4		
8				"	"		30.16	"	"	77		"	"	3		
9				ENE			"	"	"	"		"	"	5		
10				"	"		30.14	78	"	"		"	"	6		
11				"	"		30.12	"	"	"		"	"	8		
Noon				"	"		30.09	"	"	"		"	"	9		

Record of the sail the vessel is
under at end of watch.

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	o	'	"
Longitude by D. R. at Noon	o	'	"
Latitude by Observations at Noon ⊕	o	'	"
Longitude by Chronometer from Forenoon Observations ⊕	o	'	"
Current during the time Knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊕ observed at Sunrise	o	"	"
Variation of the Compass by Azimuth ⊕ observed at	o	"	"
Water expended during the preceding 24 hours			252 gallons
Water during the preceding 24 hours			"
Water remaining on hand fit for me at Noon			1484 "
Coal consumed during the preceding 24 hours	tons	275	lbs.
Coal remaining on hand at Noon	123	"	1305 "

PM									
1	E	3	30.10	78	77	77	bc	Cir Cum	6
2	E by N	4	30.06	“	“	“	“		5
3	“	3	30.03	77	78	“	“	“	7
4	ENE	4	“	78	“	“	“	“	6
5	“	“	30.00	“	“	“	“	“	4
6	“	1-2	“	“	“	“	“	“	5
7	E by N	“	30.01	“	“	“	“	“	“
8	E	“	30.02	“	“	“	“	“	4
9	E by N	2	30.04	“	“	“	“	“	6
10	E	1	30.06	“	“	“	“	Cum	5
11	“	0-1	30.08	77	“	“	“	“	6
Mid	“	“	30.09	“	“	“	“	“	5

Longitude by Chronometer from Afternoon Observations ☺	0	1	11
Longitude by Chronometer Observations]	0	1	11
Variation of the Compass by Amplitude observed at Sunset	0	1	11
Variation of the Compass by at	0	1	11

under the command of Commander W. Scott Schley
Monday March 12th, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Damp. Calm. Barometer steady.

(Signed) J. T. Sullivan
Lieut.

From 4 to 8 A.M. Overcast, warm. Calm first part, light airs from N.E. last part. At 8, crossed royal and topgallant yards and loosed sail to a bowline.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Merid. Clear and pleasant, light airs from N and E. At 9.30 exercised at General Quarters. Time casting loose. 1st Div 4 m. 2nd Div 1 m 40 sec. Master Div 1 m 50 sec. Powder Div 2 m 30 sec. Time securing. 1st Div 6 m 10 sec. 2nd Div 2 m 10 sec. Master Div 2 m 10 sec. Powder Div 2 m 55 sec. At 10.15 shortened sail, and 11.30 furled sail. Barometer falling.

(Signed) J. K. Cogswell
Lieut.

From Merid. to 4 P.M. Clear and pleasant. Moderate breeze from N and E. F.C. Jones (1st C. B.) released from confinement, and sent to duty. Sent launch for fresh water. Barometer falling.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 P.M. Clear and pleasant, light airs from N and E. Barometer rising slowly. At sundown sent down royal and topgallant yards and topgallant masts. Immediately after mustered at quarters and served out clean hammocks.

(Signed) J. K. Cogswell
Lieut.

From 8 to Midnight. Partially overcast, damp. Light airs from E. Light swell from N and E.

(Signed) Wainwright Kellogg
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Vera Cruz, Mexico

Hour.	Knots.	Fathoms.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
			Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A.M														
1			E	0-1		30.07	77	77	77		bc	Cum Nimb	3	
2			"	"		30.05	"	"	"		oc	"	0	
3			"	1		30.04	"	"	"		"	Cum	"	
4			N by W	"		"	"	"	"		bcm	"	1	
5			NW	"		"	"	"	76		"	Cum Nimb	1-2	
6			"	"		30.06	76	"	"		bc	"	3	
7			"	"		"	"	"	"		"	Cir Cum	5	
8			"	"		"	"	"	"		"	"	"	
9			NNW	"		30.09	"	78	77		"	"	6	
10			"	"		30.10	78	89	78		"	"	4	
11			N by W	"		30.09	"	"	"		"	"	2	
Noon			NE by N	"		30.08	"	"	"		"	"	5	

Record of the sail the vessel is under at end of watch.

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	0	"
Longitude by D. R. at Noon	0	"
Latitude by Observations at Noon ⊕	0	"
Longitude by Chronometer from Forenoon Observations ⊕	0	"
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ⊕ observed at Sunrise	0	"
Variation of the Compass by Azimuth ⊕ observed at	0	"
Water expended during the preceding 24 hours		252 gallons
Water Received during the preceding 24 hours		800 "
Water remaining on hand fit for me at Noon		2032 "
Coal consumed during the preceding 24 hours		tons 275 lbs.
Coal remaining on hand at Noon	123	" 1030 "

PM														
1			NE by E	2		30.05	79	80	79		bc	Cir Cum	5	
2			"	3		30.02	"	"	"		"	"	"	
3			"	"		30.00	"	"	"		"	"	"	
4			"	"		29.98	"	"	"		"	Cum Nimb	3	
5			"	2		30.00	78	"	78		o	"	0	
6			NE by N	1		30.01	"	"	"		"	Nimb	"	
7			NW by N	0-1		30.02	"	"	"		od	"	"	
8			"	3		30.04	"	79	77		or	"	"	
9			"	1-2		"	"	"	79		od	"	"	
10			"	0-1		"	"	"	"		oc	"	"	
11			"	"		"	"	"	"		"	"	"	
Mid.			"	"		"	"	"	"		"	"	"	

Longitude by Chronometer from Afternoon Observations ⊕	0	"	"
Longitude by Chronometer Observations	0	"	"
Variation of the Compass by Amplitude	0	"	"
Variation of the Compass by	0	"	"

under the command of Commander W. Scott Schley
Tuesday March 13th, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather cloudy and misty. Light airs from the E, shifting to the N and W.

(Signed) J. K. Cogswell
Lieut.

From 4 to 8 A.M. Cloudy but pleasant, with light airs from N.W. Scrubbed hammocks. At 8, sent up topgallant masts. Parted starboard fore royal backstay. Temp of bunkers 80°.

(Signed) Sam. C. Lemly
Ensign.

From 8 to Merid. Cloudy, warm. Light airs from N and W. Inspected at quarters at 9.30. Afterwards exercised at battalion drill. Made preparatory for painting ship inside.

(Signed) Wainwright Kellogg
Lieut.

From Merid. to 4 P.M. Cloudy and warm. Pleasant breeze from N.E. by E. Engaged painting ship inside. The Mexican Gunboat "Libretad" got underway and went to sea. Temp of bunkers 80°.

(Signed) Sam. C. Lemly
Ensign.

From 4 to 8 P.M. Overcast, light airs from N and E. Raining during latter part. Light breeze from N and W.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Midnight. Cloudy and warm, with light N. W[ester]ly airs.

(Signed) Sam. C. Lemly
Ensign.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Vera Cruz, Mexico

Hour.	Knots.	Fathoms.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A.M.														
1			Calm	0		30.04	78	78	77		om	Nimb	0	
2			NW	0-1		"	"	"	"		bcm	Cum Nimb	5	
3			NW by W	3		30.05	"	"	"		"	"	2	
4			"	2		"	"	"	"		bc	"	6	
5			Calm	0		30.02	77	"	"		"	"	5	
6			"	"		30.03	76	77	76		"	Cir Cum	3	
7			NW by N	1		30.06	"	76	75		"	"	1	
8			NW	"		30.10	"	"	"		"	"	7	
9			NNW	0-1		30.12	77	77	76		"	"	6	
10			"	"		"	78	78	77		"	"	"	
11			NNE	2		"	"	"	"		"	"	7	
Noon			"	3		"	"	"	"		"	"	"	
Distance run by Log since preceding Noon										knots	fathoms.			
Latitude by D. R. at Noon										o	'	"	"	
Longitude by D. R. at Noon										o	'	"	"	
Latitude by Observations at Noon ⊕										o	'	"	"	
Longitude by Chronometer from Forenoon Observations ⊕										o	'	"	"	
Current during the time										knots	fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊕ observed at Sunrise										o	"	"	"	
Variation of the Compass by Azimuth ⊕ observed at										o	"	"	"	
Water expended during the preceding 24 hours											252 gallons			
Water											during the preceding 24 hours			
Water remaining on hand fit for me at Noon											1780			
Coal consumed during the preceding 24 hours											tons	275	lbs.	
Coal remaining on hand at Noon										123	"	755	"	
P.M.														
1			NNE	2		30.06	80	79	83		bc	Cir Cum	7	
2			NNW	3		"	79	78	82		"	"	3	
3			Calm	0		30.04	78	76	80		op	Nimb	0	
4			NNW	3		30.00	"	77	78		bc	Cum Nimb	3	
5			"	2		30.02	"	"	77		"	"	4	
6			"	1		"	"	"	"		"	"	3	
7			N	3		30.04	"	78	76		"	"	2	
8			"	2		"	"	"	"		"	"	3	
9			NNW	"		30.10	"	"	78		"	"	2	
10			"	1		30.12	77	77	77		"	"	7	
11			"	2		"	"	"	"		"	"	0	
Mid			"	"		30.11	76	76	76		"	"	"	
Longitude by Chronometer from Afternoon Observations ⊕										o	'	"	"	
Longitude by Chronometer Observations										o	'	"	"	
Variation of the Compass by Amplitude										o	'	"	"	
Variation of the Compass by										o	'	"	"	

under the command of Commander W. Scott Schley
Wednesday March 14th, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast, misty first part, afterwards clear and pleasant. Light breeze from N. and W.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 A.M. Clear and pleasant. Calm first part, afterwards light airs from N and W.

(Signed) J. T. Sullivan
Lieut.

From 8 to Merid. Clear and warm, light airs from N.N.W. first half, moderate breeze from N.N.E. latter half of watch. Engaged in painting lower masts, bowsprit and under topgallant forecastle. Mexican Steamer "Minalitau" came in and anchored off starboard quarter of the vessel. Quarterly Board of Survey, condemned 15 lbs butter, keg found to contain salt only. Temp of bunkers 78°. By order of Commanding Officer, upon recommendation of Surgeon, Thomas Curley (2.C.F.) was released from further confinement imposed by * Summary Court Martial.
*sentence of

(Signed) Sam. C. Lemly
Ensign.

From Merid. to 4 P.M. Clear and warm. Variable airy first part of watch. Gentle breeze from N.N.W. last hour of watch. Light fall of rain about 3.30. Engaged in painting ship inside.

(Signed) J. T. Sullivan
Lieut.

From 4 to 8 P.M. Cloudy and sultry. Light N[orther]ly and N.W[ester]ly airs. Temp of bunkers 80°.

(Signed) Sam. C. Lemly
Ensign.

From 8 to Midnight. Overcast. Damp. Pleasant. Light N.N.W. breeze. Temp of bunkers 80°. At 9.30 the Mexican Gunboat "Independencia" got underway and stood out to sea.

(Signed) J. T. Sullivan
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Vera Cruz, Mexico

Hour.	Knots.	Fathoms.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.	Leeway.	Height in inches.	Ther. atfd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A.M														
1			NNW	2		30.10	75	77	76		bc	Cir Cum	6	
2			"	"		"	"	"	"		"	"	7	
3			"	3		"	"	"	"		"	"	"	
4			"	"		"	"	"	"		"	"	"	
5			WNW	2		"	76	76	75		"	"	8	
6			"	"		30.12	"	74	72		"	Cum	7	
7			"	1		"	75	"	73		"	"	8	
8			NW by W	"		30.13	"	75	74		"	Cir	9	
9			N by E	2		30.14	76	"	76		"	"	"	
10			NNE	"		30.16	77	78	78		"	"	"	
11			"	3		"	"	"	80		"	Cir Cum	8	
Noon			"	2		"	78	79	"		"	Cum	9	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	0	"
Longitude by D. R. at Noon	0	"
Latitude by Observations at Noon ⊕	0	"
Longitude by Chronometer from Forenoon Observations ⊕	0	"
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊕ observed at Sunrise	0	"
Variation of the Compass by Azimuth ⊕ observed at	0	"
Water expended during the preceding 24 hours		254 gallons
Water during the preceding 24 hours		"
Water remaining on hand fit for me at Noon		1526 "
Coal consumed during the preceding 24 hours	tons	275 lbs.
Coal remaining on hand at Noon	123	480 "

PM														
1			NNE	2		30.14	78	80	79		bc	Cum	9	
2			"	"		30.10	79	82	80		"	"	"	
3			"	"		"	"	81	79		"	Cir Cum	7	
4			"	"		"	"	"	"		"	"	"	
5			"	"		30.08	"	80	81		"	"	2	
6			"	1-2		"	"	78	79		"	"	6	
7			"	2		"	78	77	81		"	"	4	
8			"	"		"	"	78	79		"	Cum	9	
9			"	"		30.10	"	79	78		"	"	"	
10			"	1		"	"	77	76		"	"	8	
11			"	"		"	"	76	75		"	"	9	
Mid.			WNW	"		30.12	"	"	"		"	"	"	

Longitude by Chronometer from Afternoon Observations ⊕	0	"	"
Longitude by Chronometer Observations]	0	"	"
Variation of the Compass by Amplitude observed at Sunset	0	"	"
Variation of the Compass by at	0	"	"

under the command of Commander W. Scott Schley
Thursday March 15th, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant, with moderate breeze from N.N.W. Temp of bunkers 76°.

(Signed) Sam. C. Lemly
Ensign.

From 4 to 8 A.M. Weather warm and pleasant. Light N.W[ester]ly airs. Engaged in painting aloft. Temp of bunkers 77°.

(Signed) J. K. Cogswell
Lieut.

From 8 to Merid. Clear warm and pleasant. Light airs from N and E. Engaged in painting ship inside. Condemned and threw overboard 3 cans (4 lbs each) preserved meat, marked New York and Texas Beef Preserving Co. Temp of bunkers 78°.

(Signed) J.T. Sullivan
Lieut.

From Merid. to 4 P.M. Clear warm and pleasant. Light breeze from E.N.E. Finished painting. Temp of bunkers 78°. Barometer steady during last three hours.

(Signed) J. K. Cogswell
Lieut.

From 4 to 8 P.M. Clear and pleasant. Light N.N.E. airs. Temp of bunkers 78°.

(Signed) J. T. Sullivan
Lieut.

From 8 to Midnight. Clear and pleasant. Light airs from N and E, shifting to N and W. Barometer rising slowly. Temp of bunkers 78°.

(Signed) J. K. Cogswell
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns,
Vera Cruz, Mexico

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbol &c.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1				W	1		30.15	77	75	75		bc	Cum	9		
2				"	2		"	"	74	74		bc	None	10		
3				"	"		30.10	76	"	"		bc	Cum	9		
4				"	"		30.08	"	"	"		"	"	"		
5				"	"		30.09	"	"	73		"	Cum Nimb	8		
6				"	"		30.07	"	"	"		"	"	"		
7				"	"		"	74	75	"		"	"	9		
8				SW	"		30.08	"	77	75		"	Cir Cum	"		
9				S by W	"		"	75	79	77		"	"	"		
10				"	"		30.06	78	80	78		"	"	"		
11				ESE	2-3		30.04	80	82	"		"	"	"		
Noon				"	"		30.02	"	"	"		"	"	"		

Record of the sail the vessel is
under at end of watch.

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	o	'	"
Longitude by D. R. at Noon	o	'	"
Latitude by Observations at Noon ⊕	o	'	"
Longitude by Chronometer from Forenoon Observations ⊕	o	'	"
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊕ observed at Sunrise	o	"	"
Variation of the Compass by Azimuth ⊕ observed at	o	"	"
Water expended during the preceding 24 hours			257 gallons
Water during the preceding 24 hours			"
Water remaining on hand fit for me at Noon			1269 "
Coal consumed during the preceding 24 hours	3	tons	595 lbs.
Coal remaining on hand at Noon	119	"	2125 "
			F

PM									
1	E	2	29.99	80	82	78	bc	Cir Cum	9
2	02	02	29.96	02	02	02	02	02	02
3	02	3	29.94	02	02	02	02	02	02
4	02	02	29.92	02	02	02	02	02	02
5	02	02	02	02	02	02	02	02	02
6	02	02	02	02	81	02	02	02	02
7	02	02	02	02	02	02	02	02	02
8	02	02	79	80	02	02	02	02	8
9	ESE	02	29.93	02	02	02	02	Cum Nimb Cir Cum Nimb	02
10	02	02	02	02	02	02	02	02	5
11	02	2	02	02	02	02	02	02	02
Mid.	02	1	29.94	02	79	02	02	02	02

Longitude by Chronometer from Afternoon Observations ⊕	0	1	2
Longitude by Chronometer Observations]	0	1	2
Variation of the Compass by Amplitude observed at Sunset	0	1	2
Variation of the Compass by at	0	1	2

under the command of Commander W. Scott Schley
Friday March 16th, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant. Light W[ester]ly breeze. Bright starlight.
Temp of bunkers 78°.

(Signed) J. T. Sullivan
Lieut.

From 4 to 8 A.M. Clear. Cool. Pleasant. Light W[ester]ly breeze Cum Nimb clouds. Weighed steam kedge, and carried a line out to a buoy on port quarter. Got spare anchor on forecastle, off bow. Made preparations for getting underway. At 6.10 started fires under four main boilers. Received in Pay Department 160 lbs fresh beef, and 130 lbs vegetables. Temp of bunkers 80°.

(Signed) Richard G. Davenport
Lieut.

From 8 to Merid. Clear and pleasant. Light breeze from S and W shifting to E. At 9 hove up starboard anchor, found foul of an old anchor and chain. Cleared it, and hove up port anchor. At 11.45 got underway by winding ship, by the buoy, and stood for Sacraficio Island. Average steam pressure 50 lbs. Temp of bunker 86°.

(Signed) J. K. Cogswell
Lieut.

From Merid. to 4 P.M. Clear. Warm. Moderate E[aster]ly breeze. At 12.20 came to anchor. Moored ship, 45 fathoms starboard chain at hawse hole, 45 fathoms port chain just forward bits. 5 1/4 fathoms water. Bearings at anchor. Carried out kedge anchor in E.N.E. direction, with about 80 fathoms line. Hove up port anchor. Hove in to 30 fathoms starboard chain. Steam pressure 45 lbs. Temp of bunker 85°.

(Signed) Richard G. Davenport
Lieut.

From 4 to 8 P.M. Clear and pleasant. Fresh E[aster]ly breeze. Let go port anchor, and veered to 15 fathoms on port chain, and hove in to 30 fathoms on starboard chain. Let the fires under two boilers die out. Condensing. Dragged for stream chain. Got the port sheet anchor ready for letting go.

(Signed) J. K. Cogswell
Lieut.

From 8 to Midnight. Clear. Warm. Moderate breeze from E.S.E. Heat lightening to S. Clear hawse. Banked fires in two boilers. Temp of bunkers 96°. Average steam pressure 30 lbs. Distilling.

(Signed) Richard G. Davenport
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Sacraficio Island, Mexico

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.		
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.							
A.M																		
1				WSW	1-2		29.92	79	79	78		bc	Cir Cum Nimb	7				
2				"	"		"	77	77	77		"	"	8				
3				"	"		"	"	"	"		"	"	"				
4				"	"		"	"	"	"		"	"	"				
5				WNW	"		"	"	76	"		"	Cir Cum	9				
6				"	"		29.93	"	"	"		"	"	"				
7				"	"		"	"	"	"		"	"	"				
8				"	"		"	"	"	"		"	"	"				
9				N	1		29.97	"	79	78		"	"	6				
10				NNE	"		29.99	78	80	"		"	"	"				
11				"	"		"	"	"	"		"	"	"				
Noon				"	"		"	79	81	79		"	"	4				
Distance run by Log since preceding Noon																		
											knots	fathoms.						
Latitude by D. R. at Noon											°	'	"					
Longitude by D. R. at Noon											°	'	"					
Latitude by Observations at Noon ⊕											°	'	"					
Longitude by Chronometer from Forenoon Observations ⊕											°	'	"					
Current during the time											knots	fms. per hour, setting to the						
Variation of the Compass by Amplitude ⊕ observed at Sunrise											°	"	"					
Variation of the Compass by Azimuth ⊕ observed at											°	"	"					
Water expended during the preceding 24 hours											275 gallons							
Water Condensed during the preceding 24 hours											400 "							
Water remaining on hand fit for me at Noon											1384 "							
Coal consumed during the preceding 24 hours											1	tons	685	lbs.				
Coal remaining on hand at Noon											118	"	1440	"				
PM																		
1				N by E	3		29.99	80	82	78		bc	Cir Cum	2				
2				"	4		"	"	81	"		"	"	5				
3				N	3		"	"	82	79		"	"	"				
4				"	"		29.98	"	81	"		"	"	4				
5				"	"		30.00	"	"	78		"	"	2				
6				"	4		30.02	79	79	"		"	Cum Nimb	0				
7				"	"		30.03	"	80	"		"	"	1				
8				"	"		30.05	78	"	"		"	"	"				
9				"	5		30.12	"	78	76		bq	"	0				
10				N by W	"		"	"	79	"		bc	"	4				
11				"	6		30.14	"	"	"		Bcq	"	5				
Mid.				"	7		30.16	"	"	"		"	"	"				
Longitude by Chronometer from Afternoon Observations ⊕											°	'	"					
Longitude by Chronometer Observations											°	'	"					
Variation of the Compass by Amplitude											observed at Sunset					°	'	"
Variation of the Compass by											at					°	'	"

under the command of Commander W. Scott Schley
Saturday March 17th, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and damp, heavy dew, light airs from S and W. Barometer steady. Average steam 32 lbs. Temp of bunkers 90°. Distiller in operation.

(Signed) J. K. Cogswell
Lieut.

From 4 to 8 A.M. Clear and pleasant, with light airs from W. Unbent 30 fathoms from sheet chain on deck, bent it on sheet chain in locker and paid it below. Cross in hawse at end of watch. Steam in two boilers. Distilling. Average steam pressure 25 lbs. Temp of bunkers 94°.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Merid. Clear. Warm. Light airs from N.N.E. Cross in hawse, starboard chain on top, starboard chain on top, dipped it under and swung clear. By order of Commanding Officer, Wm Driscoll (Sea) and James C. Butters (Sea) are declared deserters, having been absent from the ship two days without leave. Picked up dredge. Banked fires in two boilers. Average steam pressure 35 lbs. Temp of bunkers 86°. Distilling.

(Signed) Richard G. Davenport
Lieut.

From Merid. to 4 P.M. Cloudy, warm. Moderate breeze from N. Carried out kedge astern, with stream chain. Fires banked in two boilers. Average steam pressure 30 lbs. Temp of bunkers 86°. Distilling.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 P.M. Cloudy. Warm. Moderate breeze from N. At 6, veered 45 fathom shackle, port chain, forward bitts. Took in stem fast. Banked fires in two boilers. Average steam pressure 30 lbs. Temp of bunkers 100°. Distilling.

(Signed) Richard G Davenport
Lieut.

From 8 to Midnight. Clear and pleasant first part of watch. At 11 had a light squall from N, the wind freshening to strong breeze N. by W. Veered to sixty fathoms on both chains. Bent sheet chain. Steam in two boilers. Average pressure 33 lbs. Temp of bunkers 90°. Distilling.

(Signed) Wainwright Kellogg
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns,
Sacraficio Island, Mexico

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.	Leeway.	Height in inches.	Ther. atfd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1				N by W	5-7		30.16	76	76	73		bcqs	Cum Nimb	1		
2				"	"		"	"	"	"		"	"	5		
3					4-6		"	"	"	"		"	"	8		
4				"	"		"	"	"	"		bcq	"	"		
5				NNW	4-5		30.14	77	75	74		"	"	7		
6				"	4		30.16	"	"	"		"	Cir Cum	"		
7				"	5		30.18	"	"	"		"	"	"		
8				"	"		30.20	"	"	"		"	"	"		
9				"	5-6		30.22	74	75	73		"	"	4		
10				"	"		30.24	"	"	74		"	"	6		
11				"	"		30.25	"	"	"		"	"	2		
Noon				"	"		30.24	"	"	73		"	"	1		

Record of the sail the vessel is
under at end of watch.

Distance run by Log since preceding Noon		knots		fathoms.
Latitude by D. R. at Noon	0			"
Longitude by D. R. at Noon	0			"
Latitude by Observations at Noon ⊕	0			"
Longitude by Chronometer from Forenoon Observations ⊕	0			"
Current during the time	knots		fms. per hour, setting to the	
Variation of the Compass by Amplitude ⊕ observed at Sunrise	0		"	"
Variation of the Compass by Azimuth ⊕ observed at	0		"	"
Water expended during the preceding 24 hours				244 gallons
Water Condensed during the preceding 24 hours				400 "
Water remaining on hand fit for me at Noon				1540 "
Coal consumed during the preceding 24 hours	1	tons	1550	lbs.
Coal remaining on hand at Noon	116	"	2130	"

PM									
1	N	3-5	30.20	74	74	73	bcpq	Cum Nimb	4
2	"	3-4	"	"	"	"	"	"	2
3	"	3-5	30.18	"	"	"	Bcq	"	"
4	"	"	30.14	"	"	"	"	"	"
5	NNW	3-4	30.16	"	75	"	oq	"	0
6	N by W	"	30.17	"	74	"	bcq	"	2
7	"	4-5	30.18	"	"	"	"	"	3
8	"	4	"	"	"	"	bc	"	7
9	NW by N	3	"	"	75	74	"	"	"
10	"	2	30.20	"	"	"	"	"	"
11	"	1	30.18	"	"	"	"	"	"
Mid.	Calm	"	"	"	"	"	"	"	"

Longitude by Chronometer from Afternoon Observations ☉		0	1	2
Longitude by Chronometer Observations	]	0	1	2
Variation of the Compass by Amplitude	observed at Sunset	0	1	2
Variation of the Compass by	at	0	1	2

under the command of Commander W. Scott Schley
Sunday March 18th, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy. Pleasant. Fresh N.W[ester]ly wind, with heavy gusts from N. Cumulus nimbus clouds. Roused up 45 fathoms sheet chain, unshackled and secured end around fore mast. 12.20 let go spare bower, veered to 15 fathoms chain. 12.30 counter braced yards. Banked fires in two boilers. Distilling. Temp of bunkers 80°. Average steam pressure 20 lbs. Much heat lightening visible around horizon.

(Signed) Richard G. Davenport
Lieut.

From 4 to 8 A.M. Clear and pleasant weather, with wind fresh in squalls from N.N.W. Sea moderate. Fires banked in two boilers. Average steam pressure 30 lbs. Temp of bunker 100°. Distilling.

(Signed) Sam. C. Lemly
Ensign.

From 8 to Merid. Cloudy. Squally. Strong breeze from N.W. At 10, Commanding Officer inspected ship and crew at quarters. Afterwards held Divine Service. Fires banked in two boilers. Average steam pressure 25 lbs. Temp of bunkers 90°. Distilling. Port anchor bouy [buoy] came unbent and drifted astern.

(Signed) Wainwright Kellogg
Lieut.

From Merid. to 4 P.M. Cloudy, with passing showers of rain first half of watch. Wind fresh in squalls from North. Fires banked in two boilers. Average steam pressure 35 lbs. Temp of bunkers 90°. Distilling.

(Signed) Sam. C. Lemly
Ensign.

From 4 to 8 P.M. Cloudy. Wind fresh from N. by W. Fires banked in two boilers. Average steam pressure 30 lbs. Temp of bunkers 90°. Distilling.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Midnight. Clear and pleasant, with light breeze from N.W. and calm. At 9.20 moon set. Fires banked in two boilers. Average steam pressure 30 lbs. Temp of bunkers 90°. Distilling.

(Signed) Sam. C. Lemly
Ensign.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Sacraficio Island, Mexico

Hour.	Knots.	Fathoms.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather by symbol s.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.	Leeway.	Height in inches.	Ther. atfd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A.M														
1			W	1-2		30.20	74	74	73		bc	Cum Nimb	3	
2			W by N	0-1		30.18	"	"	"	"	"	"	4	
3			"	"		"	"	"	"	"	"	"	2	
4			N	1		"	73	73	72		o	"	0	
5			N by W	"		30.15	"	74	73		"	"	1	
6			"	"		"	74	"	"		bc	"	2	
7			"	"		"	"	"	"		"	"	5	
8			"	2		"	"	75	74		"	"	"	
9			NE by N	1		30.14	75	76	75		"	"	6	
10			"	2		30.12	"	"	"		"	Cir Cum	7	
11			"	"		"	"	"	"		"	"	"	
Noon			"	"		"	76	77	"		"	"	8	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	o	"
Longitude by D. R. at Noon	o	"
Latitude by Observations at Noon ⊕	o	"
Longitude by Chronometer from Forenoon Observations ⊕	o	"
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊕ observed at Sunrise	o	"
Variation of the Compass by Azimuth ⊕ observed at	o	"
Water expended during the preceding 24 hours		245 gallons
Water Condensed during the preceding 24 hours		730 "
Water remaining on hand fit for me at Noon		2000 "
Coal consumed during the preceding 24 hours	1 tons	895 lbs.
Coal remaining on hand at Noon	116 "	1225 "

PM														
1			ENE	3		30.06	76	77	75		bc	Cir Cum	8	
2			"	"		30.02	"	"	76		"	"	9	
3			"	4		30.00	"	"	"		"	"	"	
4			"	"		"	"	"	"		"	"	"	
5			E by N	"		29.94	77	78	76		"	"	7	
6			"	"		29.94	76	77	"		"	"	8	
7			"	"		"	"	"	"		"	"	"	
8			"	"		"	"	"	"		"	"	"	
9			E	"		30.00	"	"	"		"	None	10	
10			"	3		"	"	"	"		"	Cum	7	
11			SE by E	"		"	"	"	"		"	"	6	
Mid			"	2		30.01	"	76	"		"	"	9	

Longitude by Chronometer from Afternoon Observations ⊕	o	"	"
Longitude by Chronometer Observations]	o	"	"
Variation of the Compass by Amplitude observed at Sunset	o	"	"
Variation of the Compass by at	o	"	"

under the command of Commander W. Scott Schley
Monday March 19th, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy but pleasant, with light airs from W. Fires banked in two boilers. Average steam pressure 30 lbs. Temp of bunkers 100°. Distilling.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 A.M. Pleasant weather. Light N[orther]ly airs. Hove up and catted sheet anchor. Hove in to 45 fathoms on port chain, and in to 30 fathoms on starboard chain. Veered to 60 fathoms, at waters edge, on stream chain.

(Signed) J. T. Sullivan
Lieut.

From 8 to Merid. Clear and pleasant weather, light wind from N and NE. At 9.40 went to General Quarters, divisions reporting ready as follows, Viz. Navigators Div 1 m 50 sec. 1st Div 5 m. 2nd Div 2 m 30 sec. Powder Div 4 m. Engineers Div 1 m 20 sec. Secured at 10.20. At 10.50 loosed sail to a bowline. Fires banked in two boilers. Steam 30 lbs. Temp of bunkers 90°. Distilling.

(Signed) Sam. C. Lemly
Ensign.

From Merid. to 4 P.M. Clear and pleasant. Fresh breeze from E.N.E. Shortened sail at 1.30. Furled sail at 3.30. Fires banked in two boilers. Average steam pressure 30 lbs. Temp of bunkers 94°. Distilling. Barometer falling.

(Signed) J. T. Sullivan
Lieut.

From 4 to 8 P.M. Clear and pleasant, with fresh breeze from E. by N. At sunset sent down topgallant masts. R. J. Hamilton (O.S. 2 C.) jumped from 2nd cutter, while ashore on duty, and ran. Fires banked in two boilers. Average steam 30 lbs. Temp of bunkers 94°. Distilling.

(Signed) Sam. C. Lemly
Ensign.

From 8 to Midnight. Clear and pleasant, light breeze from S and E. At 11 h[our] 04 m[inutes] 15 sec[onds] sounded call to General Quarters. Engineer Div reported ready in 6 m 38 sec. Marine Guard in 8 m 45 sec. Surgeons Div in 9 m 25 sec. Masters Div 9 m 45 sec. Powder Div 9 m 45 sec. 2nd Div 11 m 30 sec. 1st Div 11 m 30 sec. Average pressure 45 lbs. Temp of bunkers 95°. Distilling.

(Signed) J. T. Sullivan
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Sacraficio Island, Mexico

Hour.	Knots.	Fathoms.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbol s.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.		Force.	Height in inches.	Ther. atfd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M															
1				Calm	0		30.00	75	76	75		bcw	Cir Cum	7	
2				S	1		29.98	"	"	"		"	"	5	
3				"	"		30.00	"	"	74		"	"	"	
4				"	"		"	"	"	"		"	"	"	
5				SW	"		"	"	74	"		bc	Cir Str	6	
6				"	"		29.98	"	"	"		"	"	5	
7				"	"		"	"	"	"		"	"	"	
8				Calm	0		29.97	"	76	75		"	Cir Cum	8	
9				E by N	2		"	77	78	76		"	"	"	
10				"	"		29.96	"	"	77		"	"	7	
11				"	"		29.95	"	77	78		"	"	8	
Noon				"	3		29.94	"	"	79		"	"	9	
.															
Distance run by Log since preceding Noon											knots	fathoms.			
Latitude by D. R. at Noon											o	'	"		
Longitude by D. R. at Noon											o	'	"		
Latitude by Observations at Noon ⊕											o	'	"		
Longitude by Chronometer from Forenoon Observations ⊕											o	'	"		
Current during the time											knots	fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊕ observed at Sunrise											o	"	"		
Variation of the Compass by Azimuth ⊕ observed at											o	"	"		
Water expended during the preceding 24 hours											244 gallons				
Water Condensed during the preceding 24 hours											730 "				
Water remaining on hand fit for me at Noon											2500 "				
Coal consumed during the preceding 24 hours											tons		425	lbs.	
Coal remaining on hand at Noon											116	"	740	"	
PM															
1				E by N	3		29.92	78	79	77		bc	Cir Cum	8	
2				"	"		29.87	"	"	"		"	"	"	
3				"	"		29.86	"	80	"		"	"	"	
4				"	"		29.85	"	"	"		"	"	"	
5				E by S	"		29.84	"	79	"		"	"	7	
6				"	"		29.85	"	"	"		"	"	4	
7				"	"		29.86	77	78	"		bcl	Cum Nimb	1	
8				Calm	0		29.90	"	"	"		"	"	5	
9				WSW	0-1		"	78	"	"		"	Cum	7	
10				"	"		"	"	"	"		"	"	9	
11				Calm	0		"	"	"	"		"	"	8	
Mid				WSW	1		"	"	"	78		"	"	"	
.															
Longitude by Chronometer from Afternoon Observations ⊕											o	'	"		
Longitude by Chronometer Observations											o	'	"		
Variation of the Compass by Amplitude											o	'	"		
Variation of the Compass by											o	'	"		

under the command of Commander W. Scott Schley
Tuesday March 20th, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant, with light airs from South. 12.30 stopped distiller, and at 2 hauled fires. Average steam pressure 30 lbs. Temp of bunkers 94°

(Signed) Sam. C. Lemly
Ensign.

From 4 to 8 A.M. Weather warm. Light airs from S and W. Moderate swell setting to the S and W. At 8, sent up topgallant masts and crossed topgallant and royal yards. Temp of bunkers 93°.

(Signed) J. K. Cogswell
Lieut.

From 8 to Merid. Clear and pleasant. Light breeze from E. by N. At 9.15 inspected crew at quarters. At 9.45 had company drill, and afterwards Drill Parade. Quarterly Board of Survey condemned and threw overboard one can of preserved meat. Temp of bunkers 83°.

(Signed) J. T. Sullivan
Lieut.

From Merid. to 4 P.M. Clear and pleasant. Moderate breeze from the E. Temp of bunkers 82°. Carpenters engaged in repairing gig.

(Signed) J. K. Cogswell
Lieut.

From 4 to 8 P.M. Clear, warm and pleasant. Light breeze from E by S. Calm latter part of watch. At sun down sent down topgallant and royal yards and topgallant masts. W. H. Holmes (Lds) stood two hours extra watch, with lashed hammock, by order of Commanding Officer. Lightening in horizon to S. Temp of bunkers 80°.

(Signed) J. T. Sullivan
Lieut.

From 8 to Midnight. Clear, calm and pleasant. Occasional light airs from S and W. Barometer steady. Temp of bunkers 80°.

(Signed) J. K. Cogswell
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Sacraficio Island, Mexico

Hour.	Knots.	Fathoms.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.		State of the Weather by symbol s.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.		Height in inches.	Ther. atfd.	Air Dry Bulb.	Air Wet Bulb.					
A.M														
1			W	1-2		29.92	76	76	75	bc	Cum	4		
2			"	1		"	"	"	"	"	Cum Nimb	7		
3			S by W	"		"	75	75	74	"	"	4		
4			Calm	0		"	"	"	75	"	Str	9		
5			"	"		29.94	"	"	"	f	----	10		
6			"	"		29.95	"	"	"	"	----	"		
7			"	"		29.96	"	"	"	"	----	"		
8			"	"		29.97	"	76	76	"	----	"		
9			"	"		29.99	"	"	"	of	Nimb	0		
10			"	"		30.00	76	78	"	bcm	Cir Cum	4		
11			N	1-2		"	"	79	77	bc	"	"		
Noon			"	2		30.01	77	"	"	"	"	5		

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	o	"
Longitude by D. R. at Noon	o	"
Latitude by Observations at Noon ⊕	o	"
Longitude by Chronometer from Forenoon Observations ⊕	o	"
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊕ observed at Sunrise	o	"
Variation of the Compass by Azimuth ⊕ observed at	o	"
Water expended during the preceding 24 hours		258 gallons
Water during the preceding 24 hours		"
Water remaining on hand fit for me at Noon		2242 "
Coal consumed during the preceding 24 hours	tons	1495 lbs.
Coal remaining on hand at Noon	115	1485 "

PM														
1			N	3		29.99	77	79	78	bc	Cir Cum	6		
2			N by E	"		29.97	78	80	"	"	"	5		
3			NNE	"		"	"	"	"	"	"	"		
4			"	"		"	"	"	"	"	"	"		
5			"	"		"	"	79	77	"	"	"		
6			"	"		29.98	"	78	76	"	"	"		
7			"	2-5		30.00	"	"	"	"	"	"		
8			"	3		30.06	79	"	"	"	Cum	"		
9			"	2		30.05	77	77	75	"	"	"		
10			"	"		30.07	"	"	"	"	"	"		
11			"	"		30.09	76	"	76	"	Cir Str	9		
Mid.			"	"		"	"	"	"	"	"	"		

Longitude by Chronometer from Afternoon Observations ⊕	o	"	"
Longitude by Chronometer Observations]	o	"	"
Variation of the Compass by Amplitude observed at Sunset	o	"	"
Variation of the Compass by at	o	"	"

under the command of Commander W. Scott Schley
Wednesday March 21st, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant. Light airs from S and W. Heavy dew. Temp of bunkers 80°.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 A.M. Foggy. Warm. Light S[outher]ly wind. At 8 sent up topgallant masts, crossed light yards. Temp of bunkers 80°.

(Signed) Richard G. Davenport
Lieut.

From 8 to Merid. Calm and foggy first part of watch, clear and warm latter part. Light breeze from N. Inspected at quarters at 9.30 and exercised at great guns. Sold the clothing of two deserters at auction.

(Signed) J. K. Cogswell
Lieut.

From Merid. to 4 P.M. Clear. Warm. Light breeze from S and E. Sent a reward of ten dollars ashore, for the arrest and delivery aboard of R. J. Hamilton (O.S.2nd C.) absent without leave. Temp of bunkers 80°.

(Signed) Richard G. Davenport
Lieut.

From 4 to 8 P.M. Clear and pleasant. Moderate breeze from N and E. At sunset sent down topgallant masts and light yards. Temp of bunkers 78°. Bright moonlight.

(Signed) J. K. Cogswell
Lieut.

From 8 to Midnight. Clear. Pleasant. Light breeze from N.N.E. Cumulus clouds passing to S. Bright moonlight. Temp of bunkers 82°

(Signed) Richard G. Davenport
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.	Leeway.	Height in inches.	Ther. atfd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M																
1				NNE	1-2		30.09	76	76	76		bc	Cum	9		
2				"	"		30.07	75	75	74		"	"	7		
3				"	2		"	"	"	75		"	"	"		
4				"	"		"	"	73	74		"	"	"		
5				"	"		30.08	"	"	"		"	"	"		
6				"	"		30.09	"	"	"		"	"	"		
7				"	"		"	"	"	"		"	"	"		
8				"	"		"	"	"	"		"	"	"		
9				N	1		30.11	75	76	75		"	Cir Cum	8		
10				NNE	2		30.09	76	78	77		"	"	"		
11				NE	"		30.06	78	80	79		"	"	9		
Noon				ENE	"		30.05	"	81	"		"	"	"		

PM									
1	ENE	2	30.02	78	81	78	bc	Cum	8
2	"	3	29.99	"	79	77	"	Cir Cum	7
3	E	"	29.96	"	"	"	"	"	"
4	"	"	"	"	78	76	"	"	8
5	"	"	29.95	"	"	77	"	"	"
6	"	"	29.94	77	"	76	"	"	"
7	"	"	"	"	"	"	"	Cir Str	9
8	"	"	"	"	"	"	"	"	"
9	E by S	"	29.98	"	"	"	"	Cum	6
10	"	"	"	"	"	"	"	Cir Cum	8
11	"	"	"	"	"	"	"	"	6
Mid.	ESE	"	"	"	"	"	"	"	7

Longitude by Chronometer from Afternoon Observations ☺		0	1	11
Longitude by Chronometer Observations	]	0	1	11
Variation of the Compass by Amplitude	observed at Sunset	0	1	11
Variation of the Compass by	at	0	1	11

under the command of Commander W. Scott Schley
Thursday March 22nd, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant. Light breeze from N and E, shifting during last two hours to W. Heavy dew. Temp of bunkers 80°.

(Signed) J. K. Cogswell
Lieut.

From 4 to 8 A.M. Clear and pleasant, with light airs from W. At 6.15, American Mail Steamer, City of "Muisla", came in and anchored. Temp of bunkers 80°.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Merid. Clear. Warm. Light breeze from N, shifting to E. At 9.30 inspected at quarters. Exercised 1st and 2nd Divisions single sticks. Marines, small arms. Rifle gun's crew, signals. Temp of bunkers 80°.

(Signed) Richard G. Davenport
Lieut.

From Merid. to 4 P.M. Clear and pleasant, with light breeze from E. Barometer falling slowly. Temp of bunkers 80°.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 P.M. Clear. Pleasant. Moderate breeze from E, Cir Cum clouds. At sundown sent down light yards and topgallant masts. Temp of bunkers 78°. By order of Commanding Officer, Herman Meyer (1st C.B.) stood 1 h[our] 20 m[inutes] on quarter deck.

(Signed) Richard G. Davenport
Lieut.

From 8 to Midnight. Clear and pleasant. Moderate breeze from S and E. Barometer steady.

(Signed) Wainwright Kellogg
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Sacraficio Island, Mexico

Hour.	Knots.	Fathoms.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.	Leeway.	Height in inches.	Ther. atfd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A.M														
1			SSW	1		29.96	76	76	75		bc		Cir Cum	4
2			"	2		29.94	"	"	"	"	"		"	8
3			"	"		29.93	"	"	"	"	"		"	"
4			"	"		"	"	"	"	"	"		"	9
5			SSE	"		29.92	71	72	71	"	"		"	6
6			"	"		"	"	"	"	"	"		"	5
7			S by E	"		29.94	"	"	"	"	"		Cum Nimb	3
8			"	"		"	"	"	"	"	"		"	4
9			"	3		29.96	76	76	74	"	"		"	6
10			SSE	2		29.95	"	"	76	"	"		Cum	9
11			E by S	"		29.93	"	78	"	"	"		Cir Cum	3
Noon			"	3		29.88	"	79	"	"	"		Cum	8

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	' "
Longitude by D. R. at Noon	°	' "
Latitude by Observations at Noon ⊕	°	' "
Longitude by Chronometer from Forenoon Observations ⊕	°	' "
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ⊕ observed at Sunrise	°	" "
Variation of the Compass by Azimuth ⊕ observed at	°	" "
Water expended during the preceding 24 hours		257 gallons
Water		during the preceding 24 hours
Water remaining on hand fit for me at Noon		1639 "
Coal consumed during the preceding 24 hours	tons	275 lbs.
Coal remaining on hand at Noon	115	935 "

PM														
1			S	3		29.84	77	79	76		bc		Cum	9
2			"	4		29.80	"	"	77	"	"		"	"
3			"	"		29.78	"	"	"	"	"		"	"
4			E by N	"		29.76	"	"	"	"	"		Str	"
5			"	"		29.78	76	"	76	"	"		Cir Cum	8
6			"	"		29.76	77	"	"	"	"		"	9
7			E by S	"		29.78	78	79	"	"	"		"	8
8			ENE	"		29.79	"	78	"	"	"		"	9
9			"	"		"	77	79	78	"	"		"	"
10			Calm	0		29.80	78	78	77	"	"		Cir	"
11			W	1		"	75	77	76	"	"		Cum	"
Mid.			"	"		"	76	"	"	"	"		"	"

Longitude by Chronometer from Afternoon Observations ⊕	°	' "
Longitude by Chronometer Observations]	°	' "
Variation of the Compass by Amplitude observed at Sunset	°	' "
Variation of the Compass by at	°	' "

under the command of Commander W. Scott Schley
Friday March 23rd, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy. Pleasant. Light S.S.W[ester]ly airs. Moon set at 1.50.
Starlight. Temp of bunkers 80°.

(Signed) Richard G. Davenport
Lieut.

From 4 to 8 A.M. Cloudy but pleasant, with light breeze from S and E. Temp of bunkers 80°. Ed.
P. Burke W.O.S. absent from the ship without leave, not having returned in the market boat.

(Signed) Sam. C. Lemly
Ensign.

From 8 to Merid. Clear and pleasant. Light breeze from S and E. At 9.30 inspected at quarters.
At 9.55 exercised at fire quarters. Engaged in scraping spars. Oiled all hide rope.

(Signed) Wainwright Kellogg
Lieut.

From Merid. to 4 P.M. Clear and pleasant. Moderate breeze from E. Temp of bunkers 80°.
Barometer falling.

(Signed) Sam. C. Lemly
Ensign.

From 4 to 8 P.M. Clear and pleasant. Moderate breeze from S and E, shifting to N and E.
Steady at end of watch. Herman Meyer (1st C.B.) stood two hours extra watch on quarter deck.
Temp of bunkers 78°.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Midnight. Clear and pleasant weather, with light variable airs and calms. Temp of
bunkers 78°.

(Signed) Sam. C. Lemly
Ensign.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns,
Sacraficio Island, Mexico

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.	Leeway.	Height in inches.	Ther. atfd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.															
1				Calm	0		29.80	75	76	75		bc	Cir Cum	9	
2				"	"		"	"	"	"		"	"	"	
3				"	"		"	"	"	"		"	"	"	
4				N by W	1		"	"	"	"		"	"	"	
5				NW	2		"	"	"	"		"	"	7	
6				"	"		"	"	"	"		"	"	3	
7				"	"		29.81	"	"	"		"	"	2	
8				N by W	"		"	76	77	"		oc	"	0	
9				"	"		29.82	75	76	"		"	"	"	
10				"	"		29.84	76	77	76		"	"	"	
11				"	"		29.86	77	79	78		"	"	"	
Noon				"	"		"	78	80	"		"	"	1	

Record of the sail the vessel is
under at end of watch.

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	0	1	11
Longitude by D. R. at Noon	0	1	11
Latitude by Observations at Noon ⊕	0	1	11
Longitude by Chronometer from Forenoon Observations ⊕	0	1	11
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ⊕ observed at Sunrise	0	11	11
Variation of the Compass by Azimuth ⊕ observed at	0	11	11
Water expended during the preceding 24 hours	251 gallons		
Water	during the preceding 24 hours		
Water remaining on hand fit for me at Noon	1388 "		
Coal consumed during the preceding 24 hours	2	tons	355 lbs.
Coal remaining on hand at Noon	113	"	80 "

PM									
1	N by W	4	29.85	79	81	79	Cir Cum	bc	2
2	"	5-6	29.82	"	"	78	"	oqu	"
3	"	7-8	29.83	78	79	77	"	"	1
4	"	"	29.84	"	77	75	"	"	"
5	NNW	"	29.90	76	76	74	"	"	0
6	"	"	29.97	75	75	"	"	"	"
7	"	5-7	30.00	74	74	"	"	oqf	"
8	"	"	30.04	"	"	73	"	"	"
9	"	8	30.08	73	73	72	"	"	"
10	"	"	30.12	"	"	"	"	bcg	2
11	"	"	"	"	72	71	"	"	4
Mid.	"	8-9	"	72	71	70	"	"	

Longitude by Chronometer from Afternoon Observations	⊕	°	'	"
Longitude by Chronometer Observations]	°	'	"
Variation of the Compass by Amplitude	observed at Sunset	°	'	"
Variation of the Compass by	at	°	'	"

under the command of Commander W. Scott Schley
Saturday March 24th, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant. Calm. Temp of bunkers 80°.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 A.M. Overcast and misty. Light airs from N.W. Sea smooth. Temp of bunkers 78°.

(Signed) J. K. Cogswell
Lieut.

From 8 to Merid. Overcast and pleasant. Light breezed from N. by W. Temp of bunkers 78°.

(Signed) Sam. C. Lemly
Ensign.

From Merid. to 4 P.M. Weather clear first part, with fresh breeze from N. Barometer falling. At 1.30 wind increased rapidly until it blew a strong gale from N.N.W. Overcast and thick threatening weather. Let go sheet anchor and veered to 90 fathoms on each bower and 45 fathoms on sheet chain. Started fire under four boilers at 3. Counter braced yards and secured sails. Sea rough. Squally. At 3.30. Barometer commenced to rise.

(Signed) J. K. Cogswell
Lieut.

From 4 to 8 P.M. Overcast, with occasional passing showers of rain. Moderate gale, fresh in squalls from N.N.W. At 6 banked fires four boilers and started distiller. Sent down topgallant masts. Carried stern fast forward and hove in slack. Average steam pressure 55 lbs. Temp of bunkers 90°.

(Signed) Sam. C. Lemly
Ensign.

From 8 to Midnight. Fresh gale from the N. Moonlight. Wind blowing in strong squalls. Scud passing to S. Sea rough. Barometer rising. Distiller in operation. Temp of bunkers 92°. Steam pressure 54 lbs. Ship rolling moderately. Maximum roll 8° starboard and 7° port.

(Signed) J. K. Cogswell
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	
				Direction.	Force.	Leeway.	Height in inches.	Ther. attd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1				NNW	6-9		30.12	73	72	70		ocq	Cum Nimb Cum	0		R
2				"	5-8		"	"	73	"		"	"	"		"
3				"	"		"	"	"	"		"	"	"		"
4				"	7-9		"	"	74	69		"	"	"		"
5				"	"		30.14	72	73	"		oq	Cir Cum Nimb	"		"
6				"	"		30.20	"	"	"		"	"	"		"
7				"	6-8		30.21	73	74	"		"	"	"		"
8				"	"		30.25	"	"	"		"	"	"		"
9				"	"		30.27	"	73	"		bcq	Cir Cum	1		"
10				"	6-7		30.28	"	74	70		"	"	"		"
11				"	5-7		"	74	75	"		"	"	"	2	"
Noon				"	"		"	"	"	71		"	"	"	5	"

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	0		" "
Longitude by D. R. at Noon	0		" "
Latitude by Observations at Noon ⊕	0		" "
Longitude by Chronometer from Forenoon Observations ⊕	0		" "
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ⊕ observed at Sunrise	0		" "
Variation of the Compass by Azimuth ⊕ observed at	0		" "
Water expended during the preceding 24 hours			251 gallons
Water Condensed during the preceding 24 hours			300 "
Water remaining on hand fit for me at Noon			1437 "
Coal consumed during the preceding 24 hours	2	tons	1855 lbs.
Coal remaining on hand at Noon	110	"	475 "

[illegible]

Longitude by Chronometer from Afternoon Observations ☉		0	1	2
Longitude by Chronometer Observations]		0	1	2
Variation of the Compass by Amplitude	observed at Sunset	0	1	2
Variation of the Compass by	at	0	1	2

under the command of Commander W. Scott Schley
Sunday March 25th, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Blowing a moderate gale from N.N.W, very fresh in squalls. Turning engine ahead at intervals, first hour. Barometer steady, sea rough. Ship rolling through an arc of 5° to 10°. Temp of bunkers 100°. Fires banked in four boilers. Steam 55 lbs. Distilling.

(Signed) Sam. C. Lemly
Ensign.

From 4 to 8 A.M. Overcast. Pleasant. Blowing fresh gale with heavy gusts from N.N.W. Cir Cum Nimb clouds. Moderate sea. Banked fire in four boilers. Average steam pressure 55 lbs. Temp of bunkers 95°. Distilling.

(Signed) Richard G. Davenport
Lieut.

From 8 to Merid. Cloudy, pleasant. Strong breeze from N.N.W. Squally – sea rough. Ship steady. At 9.30 inspected at quarters. Held Divine Service. Temp of bunkers 100°. Steam pressure 54°. Distilling.

(Signed) J. K. Cogswell
Lieut.

From Merid. to 4 P.M. Cloudy. Warm. Strong wind with squalls from N. At 12.50 U.S. Mail Steamer "City of Mexico", came in and anchored on port beam. Made signal, International code, answered in Maryatti code which we have not. At 2.15 sent boat to her. Banked fires in four boilers. Average steam pressure 50 lbs. Temp of bunkers 80°. Distilling.

(Signed) Richard G. Davenport
Lieut.

From 4 to 8 P.M. Pleasant weather. Moderate breeze from N decreasing. At 5.30, hove up, catted and filed sheet anchor and hove in to 45 fathoms on the bower. Temp of bunkers 84°. Steam pressure 28 lbs. Mail steamer steamed up to Vera Cruz.

(Signed) J. K. Cogswell
Lieut.

From 8 to Midnight. Clear. Pleasant. Bright moonlight. Light airs from N. Banked fires in four boilers. Average steam pressure 25 lbs. Temp of bunkers 84°. Distilling.

(Signed) Richard G. Davenport
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Sacraficio Island, Mexico

Hour.	Knots.	Fathoms.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather by symbol s.	Forms of Clouds, by symbols.	Prog. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A.M														
1			WNW	1-2		30.25	70	71	69		bc	Cir Cum	6	
2			"	"		"	"	68	67		"	"	3	
3			W	"		30.24	68	"	"		"	"	2	
4			"	"		"	"	"	"		"	"	"	
5			"	"		30.22	"	"	68		"	"	9	
6			"	"		"	70	70	"		"	"	"	
7			"	"		"	"	"	"		"	"	"	
8			"	"		"	"	"	70		"	"	"	
9			NW	"		"	71	72	"		"	"	"	
10			N	"		30.23	72	74	71		"	"	"	
11			NE	"		30.25	73	77	72		"	"	"	
Noon			E	"		30.24	75	78	73		"	"	"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	' "
Longitude by D. R. at Noon	°	' "
Latitude by Observations at Noon ⊕	°	' "
Longitude by Chronometer from Forenoon Observations ⊕	°	' "
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊕ observed at Sunrise	°	" "
Variation of the Compass by Azimuth ⊕ observed at	°	" "
Water expended during the preceding 24 hours		251 gallons
Water Condensed during the preceding 24 hours		730 "
Water remaining on hand fit for me at Noon		1916 "
Coal consumed during the preceding 24 hours	2 tons	1755 lbs.
Coal remaining on hand at Noon	107 "	980 "

PM														
1			ENE	1-2		30.21	76	77	73		bc	Cir Cum	9	
2			NE	3		30.18	"	76	72		"	"	8	
3			"	"		30.17	"	"	"		"	"	9	
4			NE by E	"		30.15	75	"	"		"	"	"	
5			"	"		30.14	"	"	"		"	"	"	
6			"	2		30.15	74	74	"		"	"	"	
7			"	"		30.16	"	"	"		"	"	"	
8			E	3		"	"	"	"		"	"	"	
9			E by N	2		30.20	"	"	"		"	"	"	
10			WSW	0-1		"	"	"	"		"	cir	"	
11			SW	1		30.19	73	72	"		"	None	10	
Mid.			"	0-1		"	74	74	"		"	"	"	

Longitude by Chronometer from Afternoon Observations ⊕	°	' "
Longitude by Chronometer Observations]	°	' "
Variation of the Compass by Amplitude observed at Sunset	°	' "
Variation of the Compass by at	°	' "

under the command of Commander W. Scott Schley
Monday March 26th, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Partially overcast and pleasant. Light breeze from N and W. Ship rolling through an arc of about 5°. Fires banked under four boilers. Average steam 25 lbs. Temp of bunkers 90°. Distilling.

(Signed) J. K. Cogswell
Lieut.

From 4 to 8 A.M. Clear and pleasant, with light airs from W. Hove up, catted and fished starboard anchor. Hauled in steam chain and lifted stream anchor, hung it over stern. At 8 fidded topgallant masts.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Merid. Clear. Warm. Light airs from N and W. At 9, hove short. At 9.55 steam reported ready. At 10, got underway and stood in towards city. Draught of water forward 13 ft 10 in, Amidships 14 ft 10 in, Aft 15 ft 6 in. At 10.45 came to and moored ship with 30 fathoms chain each anchor, in 6 fathoms water. Bearings at anchor. S.W. Point Gallegvilla Reef (pc) N 1/4 W. S.W. bastion of Castle W. by S. Ships head E. by N. Ship rolling heavily 15°. Banked fires in four boilers. Steam pressure 55 lbs. Temp of bunkers 100°. Distilling.

(Signed) Richard G. Davenport
Lieut.

From Merid. to 4 P.M. Clear, pleasant, with light breeze from N and E. At 1, hove up both bowers and got underway. At 2, came to with starboard bower and veered to 15 fathoms. At 2.30, hove up starboard bower and got underway. At 3 came to with port bower and veered to 30 fathoms. S.W. point Gallegvilla Reef bore N. S.W. bastion of Castle bore W 1/2 S. Bent hawser to steam anchor, carried it out and let go anchor S.E. from ship. Banked fires in four boilers at end of watch. Distilling.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 P.M. Clear. Warm. Light N.E. by E breeze. At sundown, sent down topgallant masts. Herman Meyer (1st C.B.) stood 1 1/4 hours extra watch, by order of Commanding Officer. Banked fires in four boilers. Average steam pressure 20 lbs. Temp of bunkers 98°. Distilling.

(Signed) Richard G. Davenport
Lieut.

From 8 to Midnight. Clear and pleasant, with light variable airs. Bright moonlight. Banked fires in four boilers. Steam 20 lbs. Temp of bunkers 98°.

(Signed) Wainwright Kellogg
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Vera Cruz, Mexico

Hour.	Knots.	Fathoms.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather by symbol s.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.	Leeway.	Height in inches.	Ther. atfd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A.M														
1			W	2		30.17	70	69	68		bc	Cir Cum	9	
2			"	"		30.18	69	70	"	"	"	"	"	
3			"	"		30.16	68	68	66	"	"	"	"	
4			"	"		"	"	"	"	"	"	"	"	
5			WSW	"		30.14	66	65	64	"	None	10		
6			"	"		30.15	"	"	65	"	Cir Cum	9		
7			W by S	"		30.16	67	67	66	"	"	"	"	
8			"	"		"	"	69	67	"	"	"	"	
9			SSE	1-2		30.18	70	72	70	"	Cum	"		
10			SE by E	"		30.16	"	74	72	"	"	"	"	
11			ESE	"		30.13	72	75	"	"	"	"	"	
Noon			E by S	"		30.10	75	"	75	"	Cir Cum	"		

Distance run by Log since preceding Noon		knots		fathoms.
Latitude by D. R. at Noon		°	'	"
Longitude by D. R. at Noon		°	'	"
Latitude by Observations at Noon ⊕		°	'	"
Longitude by Chronometer from Forenoon Observations ⊕		°	'	"
Current during the time	knots		fms. per hour, setting to the	
Variation of the Compass by Amplitude ⊕ observed at Sunrise		°	"	"
Variation of the Compass by Azimuth ⊕ observed at		°	"	"
Water expended during the preceding 24 hours				245 gallons
Water Condensed during the preceding 24 hours				730 "
Water remaining on hand fit for me at Noon				2401 "
Coal consumed during the preceding 24 hours	2	tons	635	lbs.
Coal remaining on hand at Noon	105	"	345	"

PM														
1			E by S	2		30.00	73	75	73		bc	Cir Cum	9	
2			"	3		"	74	"	"	"	"	"	"	
3			E	"		"	75	76	"	"	"	"	"	
4			E by N	"		29.98	"	"	"	"	"	"	"	
5			E	"		30.00	"	"	72	"	Cum	"		
6			"	"		"	74	75	73	"	"	"	"	
7			ESE	4		30.01	"	"	"	"	Cir Str	8		
8			E by S	"		30.02	"	"	"	"	Cir Cum	9		
9			"	"		30.01	"	"	"	"	"	"	"	
10			SE by E	"		30.02	"	"	"	"	"	7		
11			"	3		"	"	"	"	"	"	"	"	
Mid.			W	2		30.03	73	74	"	"	"	4		

Longitude by Chronometer from Afternoon Observations ⊕		°	'	"
Longitude by Chronometer Observations		°	'	"
Variation of the Compass by Amplitude		°	'	"
Variation of the Compass by		°	'	"

under the command of Commander W. Scott Schley
Tuesday March 27th, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear. Pleasant. Light S.W[ester]ly breeze. Cir Cum clouds. Ship rolling easily. Bright moonlight. Banked fires in four boilers. Temp of bunkers 100°. Average steam pressure 20 lbs. Distilling.

(Signed) Richard G. Davenport
Lieut.

From 4 to 8 A.M. Clear and pleasant. Light airs from S and W. At 6.20, hove up port anchor and shifted berth. Hove up stream anchor. At 8, sent up topgallant masts and loosed sail. Fires banked in four boilers. Average steam pressure 40 lbs. Temp of bunkers 100°. Distilling.

(Signed) Sam. C. Lemly
Ensign.

From 8 to Merid. Clear and pleasant, with light breeze from E. by S. Lieut. J. T. Sullivan left the ship to take passage in the "City of Muisla" for New York, having been condemned by a medical survey. At 11.15, hove up port anchor and stood down the coast towards Island of Sacrificioe. At end of watch, steaming with four boilers. Steam pressure 60 lbs. Temp of bunkers 105°.

(Signed) Wainwright Kellogg
Lieut.

From Merid. to 4 P.M. Clear and pleasant. Light breeze from E. At 12.10, came to anchor off the Island of Sacrificioe. Let go port anchor and veered to 45 fathoms chain. Let go starboard anchor and veered to 30 fathoms chain, hove in to 30 fathoms on port chain. Carried out stream anchors to S, with 45 fathoms on stream chain. Bearings from anchorage. N.W. end of Pajanol Island N (pc). S end Sacrificioe S.E. by E. 1/2(pc). Ships head E. Fires banked in two boilers. Steam 19 lbs. Temp of bunkers 95°.

(Signed) Sam. C. Lemly
Ensign.

From 4 to 8 P.M. Clear and pleasant. Moderate breeze from S.E. by E. Veered to 30 fathoms outside hawse starboard chain. Bright moonlight latter part. Fires banked in two boilers. Average steam 20 lbs. Temp of bunkers 90°. Distilling.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Midnight. Clear and pleasant. Light breeze from S and W, gradually hauling to W. Bright Moonlight. Fires banked in two boilers. Average steam 20 lbs. Temp of bunkers 100°. Distilling.

(Signed) Sam. C. Lemly
Ensign.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns,
Island of Sacrificioe, Mexico

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbol &c.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.	Lee-way.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1				NW by W	2		30.04	74	73	71		bc	Cir Cum	8		
2				WSW	"		"	72	70	69		"	"	9		
3				"	1		"	70	69	68		"	"	"		
4				"	1-2		"	"	"	"		"	"	"		
5				"	"		"	"	70	69		"	Cir	"		
6				"	1		30.06	"	72	71		"	None	10		
7				"	0-1		30.06	71	73	72		"	Cir Cum	9		
8				Calm	0		30.8	"	"	73		"	"	"		
9				S	1		"	73	74	"		"	"	"		
10				S by E	"		"	74	"	74		"	"	"		
11				"	"		30.04	"	75	75		"	"	"		
Noon				"	2		30.02	75	76	"		"	Cum	"		

Record of the sail the vessel is
under at end of watch.

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			247 gallons
Water Condensed during the preceding 24 hours			365 "
Water remaining on hand fit for me at Noon			2519 "
Coal consumed during the preceding 24 hours	tons	1485	lbs.
Coal remaining on hand at Noon	104	"	1100 "

PM									
1	E	2	29.98	76	78	76	bc	Cum	9
2	"	"	29.96	77	80	"	"	"	"
3	"	2-5	29.92	78	"	77	"	"	"
4	"	"	29.90	"	78	76	"	"	"
5	"	3	"	77	77	"	"	"	"
6	E by N	2	"	76	"	75	"	"	"
7	"	"	29.92	"	"	"	"	None	10
8	"	"	29.94	"	"	"	"	"	"
9	"	1-2	"	"	"	"	"	"	"
10	ESE	1	29.96	"	"	76	"	Cum	9
11	"	"	"	"	"	"	"	"	"
Mid.	"	"	29.97	"	"	74	"	"	"

Longitude by Chronometer from Afternoon Observations ☉	0	1	11
Longitude by Chronometer Observations]	0	1	11
Variation of the Compass by Amplitude observed at Sunset	0	1	11
Variation of the Compass by at	0	1	11

under the command of Commander W. Scott Schley
Wednesday March 28th, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant, with light breeze from S and W. Bright moonlight. Stopped distilling at 3.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 A.M. Clear and pleasant. Light W[ester]ly airs. Received fresh provisions for use of crew. At 8, sent up topgallant masts and light yards.

(Signed) J.K. Cogswell
Lieut.

From 8 to Merid. Clear and pleasant. Light airs from S and E. At 9.35 inspected at quarters. Exercised 1st and 2nd Divs at great guns, Marine Guard at small arms. Received three cords of wood in Department of Equipment. Let fires die out in two remaining boilers. Lowered smoke stack. Temp of bunkers 100°.

(Signed) Sam. C. Lemly
Ensign.

From Merid. to 4 P.M. Weather clear and warm. At 1 exercised boat crew at their duties in arming and equipping. Quarterly Board of Survey condemned 16 lbs of butter. Carpenter gang engaged in paying the seams of poop deck. Painted gig.

(Signed) J. K. Cogswell
Lieut.

From 4 to 8 P.M. Clear and pleasant. Light airs from E. At 5.30, American Steamer "City of Mexico" got underway and ~~and~~ stood out to sea. At 5.40, moon rose. At sundown, sent down topgallant masts, royal and topgallant yards. Temp of bunkers 88°.

(Signed) Sam. C. Lemly
Ensign.

From 8 to Midnight. Clear and pleasant. Light airs from the E. Bright moonlight. Temp of bunkers 78°.

(Signed) J. K. Cogswell
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns,
Island of Sacrificioe, Mexico

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1				Calm	0		29.96	75	75	74		bc	Cum	9		
2				W	1		"	74	74	70		"	"	"		
3				"	"		29.95	"	"	"		"	None	10		
4				"	"		"	"	"	"		"	"	"		
5				NW	"		29.97	"	"	"		"	Cir Cum	9		
6				N	"		29.99	"	75	"		"	"	"		
7				"	"		30.00	"	"	"		"	"	"		
8				"	"		30.02	"	"	"		"	"	"		
9				"	"		30.03	77	77	70		"	"	"		
10				"	"		30.02	76	"	"		"	"	"		
11				ENE	"		"	"	78	"		"	"	"		
Noon				"	"		30.00	77	"	"		"	"	"		

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	0	1	41
Longitude by D. R. at Noon	0	1	41
Latitude by Observations at Noon ⊕	0	1	41
Longitude by Chronometer from Forenoon Observations ⊕	0	1	41
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ⊕ observed at Sunrise	0		41
Variation of the Compass by Azimuth ⊕ observed at	0		41
Water expended during the preceding 24 hours			247 gallons
Water		during the preceding 24 hours	2272 "
Water remaining on hand fit for me at Noon			"
Coal consumed during the preceding 24 hours	tons	935	lbs.
Coal remaining on hand at Noon	104	"	165 "

PM									
1	E	2	29.97	78	80	78	bc	Cum	9
2	"	"	29.96	"	"	"	"	"	"
3	"	"	29.95	"	"	"	"	"	"
4	"	3	29.93	"	"	"	"	"	"
5	ENE	2-3	"	"	79	77	"	Cir	"
6	"	2	"	"	78	76	"	Cir cim	"
7	"	"	29.94	77	77	77	"	Cum	"
8	"	"	29.96	"	"	76	"	"	"
9	"	"	29.99	76	"	75	"	"	"
10	"	1	30.00	"	76	"	"	"	8
11	"	"	"	"	"	"	"	"	4
Mid.	"	"	30.01	"	"	"	"	"	"

Longitude by Chronometer from Afternoon Observations	⊕	0	1	44
Longitude by Chronometer Observations	]	0	1	44
Variation of the Compass by Amplitude	observed at Sunset	0	1	44
Variation of the Compass by	at	0	1	44

under the command of Commander W. Scott Schley
Thursday March 29th, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear, damp and pleasant. Light W[ester]ly airs. Calm first part. Gave John P. Marker (I.C.B.) an extra mid watch, by order of Commanding Officer. Temp of bunkers 86°.

(Signed) Sam. C. Lemly
Ensign.

From 4 to 8 A.M. Clear. Pleasant. Light W[ester]ly breeze. At 8 sent up topgallant masts and light yards. Temp of bunkers 88°.

(Signed) Richard G. Davenport
Lieut.

From 8 to Merid. Weather warm and pleasant. Light airs from N. At 9.30 inspected at quarters and exercised 1st Div. at single sticks and signals. 2nd Div. at great guns and Powder Div. at facings. By order of Commanding Officer, declared R. J. Hamilton (O.S.2 C.) a deserter, be having been absent ten days without permission. Carpenters gang engaged in paying the seams of poop deck.

(Signed) J. K. Cogswell
Lieut.

From Merid. to 4 P.M. Clear. Warm. Light E[aster]ly breeze. Cumulus clouds. Carpenters gang engaged in pitching seams on poop. Temp of bunkers 76°.

(Signed) Richard G. Davenport
Lieut.

From 4 to 8 P.M. Pleasant weather, clear. Light breeze from E. Quarterly Board of Survey condemned and threw overboard one barrel of salt beef. Sent down light yards at sunset. Moon rose at 7.

(Signed) J. K. Cogswell
Lieut.

From 8 to Midnight. Clear. Pleasant. Light E.N.E. breeze, Cumulus clouds passing to W. Bright moonlight. Cloudy latter part watch. Temp of bunkers 76°.

(Signed) Richard G. Davenport
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Island of Sacrificioe, Mexico

Hour.	Knots.	Fathoms.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.	Leeway.	Height in inches.	Ther. atfd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A.M.														
1			Calm	0		30.00	78	77	76	bc	Cum	2		
2			"	"		"	"	"	"	"	"	"		
3			"	"		29.98	"	"	"	"	"	9		
4			"	"		"	77	75	75	"	"	1		
5			W	2		"	73	73	73	"	Cir Cum	3		
6			"	"		"	74	"	"	"	"	5		
7			"	"		"	75	"	"	"	"	6		
8			"	"		"	"	74	74	"	"	9		
9			N	"		29.99	76	75	"	"	"	"		
10			E	"		"	77	77	75	"	"	"		
11			"	"		30.00	78	78	76	"	"	"		
Noon			"	"		30.01	"	"	"	"	"	"		

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊕ ° ' "

Longitude by Chronometer from Forenoon Observations ⊕ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊕ observed at Sunrise ° " "

Variation of the Compass by Azimuth ⊕ observed at ° " "

Water expended during the preceding 24 hours 257 gallons

Water during the preceding 24 hours "

Water remaining on hand fit for me at Noon 2015 "

Coal consumed during the preceding 24 hours tons 275 lbs.

Coal remaining on hand at Noon 103 " 2100 "

PM														
1			E by S	2		29.96	78	79	77	bc	Cum	9		
2			"	"		29.94	"	80	78	"	"	"		
3			E	"		"	79	87	79	"	Cum Str	"		
4			"	"		29.93	"	"	"	"	"	"		
5			"	"		29.89	"	80	78	"	"	"		
6			"	"		"	78	79	77	"	"	"		
7			"	"		"	"	"	"	"	"	"		
8			"	"		"	77	78	76	"	"	"		
9			"	1-2		29.93	78	79	"	"	Cum	"		
10			E by S	"		"	77	78	"	"	"	5		
11			ESE	0-1		29.94	"	"	"	"	"	4		
Mid.			"	1		"	"	77	"	"	Cum Nimb	6		

Longitude by Chronometer from Afternoon Observations ⊕ ° ' "

Longitude by Chronometer Observations] ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. Scott Schley
Friday March 30th, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy and calm. Cumulus clouds. Heavy dew first part of watch. Temp of bunkers 80°.

(Signed) J. K. Cogswell
Lieut.

From 4 to 8 A.M. Cloudy first hour of watch, clear and pleasant latter part. Light breeze from W. Temp of bunkers 80°.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Merid. Clear. Warm. Light E[aster]ly breeze. At 9 A.M. cleared whip for action. General Quarters. Called away all boats armed and equipped, when the Commanding Officer made an official inspection of the ship.

Time General Quarters.

Cast loose 9h 12m 10sec A.M.

Secure 9h 54m 30sec A.M.

Marine Guard	1m[inute] 30s[econds]
Masters Div.	1m 20s
Powder “	2m 50s
2 nd “	2m 00s
1 st “	3m 10s
Engineers “	1m 50s

Marine Guard	-----
Masters Div.	5m 36s
Powder “	4m 00s
2 nd “	6m 36s
1 st “	7m 35s
Engineers “	2m 03s

Boats armed and equipped-

1st cutter 2m 20s. Whale boat 3m 30s. 2nd Cutter 3m 50s. Gig 4m 00s. Launch 7m 50s. Temp of bunkers 80°.

(Signed) Richard G. Davenport
Lieut.

From Merid. to 4 P.M. Clear and pleasant, with light breeze from E. Temp of bunkers 78°.

(Signed) Wainwright Kellogg
Lieut.

From 4 to 8 P.M. Clear. Pleasant. Light E[aster]ly breeze. Cum str clouds. Patrick Mously (I.C.B.) and W. J. Hasson (I.C.B.) 1 hour extra duty, by order of Commanding Officer. Temp of bunkers 78°. Very heavy dew.

(Signed) Richard G. Davenport
Lieut.

From 8 to Midnight. Clear and pleasant first hour, afterwards cloudy. Bright moonlight. Temp of bunkers 80°.

(Signed) Wainwright Kellogg
Lieut.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns,
Island of Sacrificioe, Mexico

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. atfd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1				S	3		29.92	76	76	76		bc	Cum Str	9		
2				"	"		"	"	"	"		"	"	"		
3				"	"		"	"	"	"		"	"	"		
4				"	2		"	"	"	"		"	"	"		
5				SW	1		"	74	75	74		of	"	0		
6				"	"		"	"	"	"		"	"	"		
7				"	1-0		"	"	"	"		bcf	"	"		
8				"	"		"	"	"	"		bo	Cum	2		
9				SSE	"		29.96	76	79	76		"	Cir Cum	7		
10				ESE	1		29.94	78	81	79		"	"	8		
11				E	2		"	"	80	"		"	"	9		
Noon				ENE	"		29.95	79	81	"		"	"	"		

Record of the sail the vessel is
under at end of watch.

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	0	1	11
Longitude by D. R. at Noon	0	1	11
Latitude by Observations at Noon \oplus	0	1	11
Longitude by Chronometer from Forenoon Observations \oplus	0	1	11
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude \oplus observed at Sunrise	0	11	11
Variation of the Compass by Azimuth \oplus observed at	0	11	11
Water expended during the preceding 24 hours	252 gallons		
Water	during the preceding 24 hours		
Water remaining on hand fit for me at Noon	1765		
Coal consumed during the preceding 24 hours	tons	275	lbs.
Coal remaining on hand at Noon	103	1855	

PM									
1	E by N	2	29.86	80	80	79	bc	Cum	9
2	E 1/2 N	"	29.84	79	81	"	"	"	"
3	"	3	29.83	"	83	"	"	"	"
4	"	"	29.82	"	81	"	"	"	"
5	E by N	"	29.83	"	80	78	"	Cir Cum	"
6	E	"	29.81	78	79	"	"	"	7
7	"	"	29.82	"	"	"	"	"	8
8	E by S	"	29.84	"	"	"	"	Cum Str	"
9	E by N	"	"	77	78	77	"	Cum	9
10		1	"	"	"	"	"	"	7
11	SE	0-1	"	"	"	"	"	"	9
Mid.	SSW	2	29.85	"	"	"	"	"	"

Longitude by Chronometer from Afternoon Observations	⊕	°	'	"
Longitude by Chronometer Observations		°	'	"
Variation of the Compass by Amplitude	observed at Sunset	°	'	"
Variation of the Compass by	at	°	'	"

under the command of Commander W. Scott Schley
Saturday March 31st, 1877.

, U. S. Navy.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear. Pleasant. Light S[outher]ly breeze. Cum str clouds. Bright moonlight. John P. Marker (I.C.B.) stood four hours extra watch, by order of Commanding Officer. Heavy dew. Temp of bunkers 80°.

(Signed) Richard G. Davenport
Lieut.

From 4 to 8 A.M. Foggy, with light S.W[ester]ly airs clearing up last hour. Temp of bunkers 76°. Walter C. Blake (Mach) reported the expiration of his term of service.

(Signed) Sam. C. Lemly
Ensign.

From 8 to Merid. Clear and pleasant, with light breeze from S and E, shifting to N and E. Engaged in cleaning ship. Temp of bunkers 78°.

(Signed) Wainwright Kellogg
Lieut.

From Merid. to 4 P.M. Clear and pleasant, with light breeze from N and E. Barometer falling. Sold effects of R. J. Hamilton (O.S. 2C.) deserter, amounting to \$3.25c. Temp of bunkers 80°.

(Signed) Sam. C. Lemly
Ensign.

From 4 to 8 P.M. Clear and pleasant, with light breeze from E. Temp of bunkers 80°.

(Signed) Wainwright Kellogg
Lieut.

From 8 to Midnight. Clear and pleasant. Light variable airs. Moon rose at 8.55. Bright moonlight. Temp of bunkers 76°.

(Signed) Sam. C. Lemly
Ensign.

Examined and found to be correct

Asa Walker, Lieut.
Navigator.

Editor's Note: This page was left blank.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns,

Hour.		WINDS.		BAROMETER.		TEMPERATURE.		State of the Weather by symbols.		Forms of Clouds, by symbols.		Prop. of Clear Sky, in 10ths.		State of the Sea.		Record of the sail the vessel is under at end of watch.			
		Knots.	Fathoms.	Courses steered.	Direction.	Force.	Lee-way.	Height in inches.	Ther. attd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.							
A.M.																			
1																			
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
Noon																			
.																			
Distance run by Log since preceding Noon												knots		fathoms.					
Latitude by D. R. at Noon												°		' "					
Longitude by D. R. at Noon												°		' "					
Latitude by Observations at Noon ⊕												°		' "					
Longitude by Chronometer from Forenoon Observations ⊕												°		' "					
Current during the time												knots		fms. per hour, setting to the					
Variation of the Compass by Amplitude ⊕ observed at Sunrise												°		" "					
Variation of the Compass by Azimuth ⊕ observed at												°		" "					
Water expended during the preceding 24 hours												gallons							
Water												during the preceding 24 hours						"	
Water remaining on hand fit for me at Noon																		"	
Coal consumed during the preceding 24 hours												tons		lbs.					
Coal remaining on hand at Noon												"		"					
PM																			
1																			
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
Mid.																			
Longitude by Chronometer from Afternoon Observations ⊕												°		' "					
Longitude by Chronometer Observations												°		' "					
Variation of the Compass by Amplitude												°		observed at Sunset		' "			
Variation of the Compass by												°		at		' "			

under the command of

, U. S. Navy.
, 18.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

U.S.S. Essex 3rd Rate
Vera Cruz, Mexico
March 31st, 1877

I certify that this is a true copy of the log of this ship
from Oct. 3rd 1876 to March 31st 1877 inclusive.
Asa Walker,
Lieut. Navigator.

Approved
W. S. Schley
Comd. Comdg.

Examined and found to be correct

Navigator.